

David D. Baltensperger

CURRENT TITLE:

Professor, Head of Soil and Crop Sciences Department, Texas A&M University

DEGREES:

- B.S., Biology, Nebraska Wesleyan University, 1976
- M.S., Agronomy, University of Nebraska, 1978
- Ph.D., Agronomy, New Mexico State University, 1981

RESEARCH INTERESTS:

Previously, directed proso millet variety improvement program. Developed alternative crops and cooperated with other breeders in evaluating the adaptability of new germplasm to the Panhandle. Supervised High Plans Ag Lab and encouraged utilization for research.

EXTENSION INTERESTS:

Coordinated and directed variety testing program for Panhandle crops and disseminated information on cultural practices for Panhandle crops. Supervised High Plans Ag Lab coordinating field days and public relations.

MAJOR PROJECT ACTIVITIES:

Incorporated food quality traits into proso millet. Develop grass seed production technology for the region. Developed white wheats, irrigated wheats and spring wheats for the region. Developed improved sunflower, foxtail millet and proso millet cultivars. Developed other adapted alternative crops including amaranth and canola. Developed crops for biofuels such as brown mustard, camalina and canola for biodiesel.

SELECTED PUBLICATIONS:

Book Chapters:

- Baltensperger, D. D. 2002. Progress with proso, pearl and other millets. p. 100-103. In: J. Janick and A Whipkey (ed.). Trends in New Crops and New Uses. Proc. New Crops and New Uses Strength in Diversity, 5th. Atlanta, GA. ASHS Press, Alexandria VA.

Journals:

- Vogel, K. P., D. Tober, P. E. Reece, D. D. Baltensperger, G. Schuman, and R. A. Nicholson. 2005. Registration of 'NU-ARS AC2' Crested Wheatgrass. *Crop Sci.* 45(1):416-417. Univ. of Nebraska Agr. Res. Div. J. Series No. 14498.
- Vogel, K. P., D. Tober, P. E. Reece, D. D. Baltensperger, G. Schuman, and R. A. Nicholson. 2005. Registration of 'Haymaker' Intermediate Wheatgrass. *Crop Sci.* 45(1):415-416. Univ. of Nebraska Agr. Res. Div. J. Series No. 14497.
- Vogel, K. P., P. E. Reece, D. D. Baltensperger, G. Schuman, and R. A. Nicholson. 2005. Registration of 'Beefmaker' Intermediate Wheatgrass. *Crop Sci.* 45(1):414-415. Univ. of Nebraska Agr. Res. Div. J. Series No. 14499.
- Krall, J. M., S. M. Ali, D. D. Baltensperger, J. Nachtman, and R. Hybner. 2004. Registration of 'Forager' Pea. *Crop Sci.* 44(6):2271. Univ. of Nebraska Agr. Res. Div. J. Series No. 14429.
- Siles, M.M., W.K. Rusell, D.D. Baltensperger, L.A. Nelson, B. Johnson, L. D. Van Vleck, S. G. Jensen, and G. Hein. 2004. Heterosis for Grain Yield and Other Agronomic Traits in Foxtail Millet. *Crop Sci.* 44:1960-1965. Univ. of Nebraska Agr. Res. Div. J. Series No. 14005.
- Baltensperger, D. D., G. E. Frickel, L. A. Nelson, J. M. Krall, M. Vigil, J. Hain, J. Johnson, C. Stymiest, J. R. Rickertsen. 2004. Registration of 'Horizon' Proso Millet. *Crop Sci.* 44:688-689.
- Rife, C. L., D. L. Auld, H. C. Minor, W. F. Heer, D. D. Baltensperger, L. A. Nelson and D. Bordovsky. 2003. Registration of 'Abilene' Rapeseed. *Crop Sci.* 43:2306-2307.
- Guillen-Portal, F. R., W. K. Russell, D. D. Baltensperger, K. M. Eskridge, N. E. D=Croz-Mason, and L. A. Nelson. 2003. Best Types of Maize Hybrids for the Western High Plains of the USA. *Crop Sci.* 43:2065-2070.
- Nielsen, E. L., D. D. Baltensperger, E. D. Kerr, and C. L. Rife. 2003. Host Suitability of Rapeseed for *Heterodera schachtii*. *J. Nematology* 35(1):35-38.
- Baenziger, P. S., B. Moreno-Sevilla, R. A. Graybosch, J. M. Krall, M. J. Shipman, R. W. Elmore, R. N. Klein, D. D. Baltensperger, L. A. Nelson, D. V. McVey, J. E. Watkins, and J. H. Hatchett. 2002. Registration of 'Wahoo' Wheat. *Crop Sci.* 42:1752-1753.

- Eghball, B., J. E. Gilley, D. D. Baltensperger, and J. M. Blumenthal. 2002. Long-Term Manure and Fertilizer Application Effects on Phosphorus and Nitrogen in Runoff. *Trans. of the ASAE* 45(3):687-694.
- Guillen-Portal, F. R., D. D. Baltensperger, L. A. Nelson, G. Frickel. 2001. Assessment of Hard Red Winter Wheat F2 and F3 hybrids for the Nebraska Panhandle. *Communications in Soil Science and Plant Analysis* 33(5&6):963-972.
- M. M. Siles, D. D. Baltensperger, L. A. Nelson, A. Marcon, and G. E. Frickel. 2001. Registration of Five Genetic Marker Stocks for Foxtail Millet. *Crop Sci.* 41(6):2011-2012.
- M.M. Siles, D.D. Baltensperger, L.A. Nelson. 2001. Technique for Artificial Hybridization of Foxtail Millet [*Setaria italica* (L.) Beauv.]. *Crop Sci.* 41(5):1408-1412.
- Agdag, M, L Nelson, D. Baltensperger, D. Lyon, S. Kachman. 2000. Row spacing Affects Grain Yield and Other Agronomic Characters of Proso Millet. *Communications in Soil Science and Plant Analysis* 32(13 & 14):2021-2032.
- Lyon, D. J., D. D. Baltensperger, and M. Siles. 2001. Wheat Grain and Forage Yields are Affected by Planting and Harvest Dates in the Central Great Plains. *Crop Sci.* 41:488-492.
- Shanahan, J., B. Schatz, D. Baltensperger, J. Sooby, and S. Kachman. 2000. Use of Shoot Reduction Treatments as a Means of Simulating Hail Injury to Proso Millet. *Communications in Soil Science and Plant Analysis* 31(17-18):2843-2854.
- Daugovish, O., D. J. Lyon, D. D. Baltensperger. 1999. Cropping Systems to Control Winter Annual Grasses in Winter Wheat (*Triticum aestivum*). *Weed Tech* 13:120-126.
- Guillen-Portal, F. R., D. D. Baltensperger, L. A. Nelson. 1999. Plant Population Influence on Yield and Agronomic Traits in 'Plainsman' Grain Amaranth. In: *Perspectives on New Crops and New Uses*. Ed. J. Janick. pp. 190-191.
- Baltensperger, D. D., L. A. Nelson, G. E. Frickel, and R. L. Anderson. 1997. Registration of 'Sunrise' Proso Millet. *Crop Sci.* 37:1380.

Other Publications:

- Baltensperger, D.D., D.J. Lyon, P.A. Burgener, G.L. Hein, R.M. Harveson, C.D. Yonts, J.F. Margheim, G.E. Frickel, and G.J. Foster. 2004. Brown Mustard Production. EC04-183a.

- Weichenthal, B.A., D.D. Baltensperger, K.P. Vogel, S.D. Masterson, J.M. Blumenthal and J.M. Krall. 2003. Annual Forages for the Nebraska Panhandle. NebGuide G03-1527-A.
- Margheim, J.F., D.D. Baltensperger, J.T. Cecil, R.C. Shearman, D.C. Laursen, A.P. Merrigan, J.M. Krall, C.D. Yonts, R.G. Wilson, S.D. Knox, J.E. Watkins and G.L. Hein. 2003. Kentucky Bluegrass Seed Production in Western Nebraska and Eastern Wyoming. EC 03-180.
- Fenster, C. R. and D. D. Baltensperger. 2003. Breaking the Ground The Evolution of Farming in the Panhandle of Nebraska Through 2002. RB344.