

## Publications

### Refereed Journal Articles:

1. Baenziger, P. S. and D. V. Glover. 1977. Protein body size and distribution and protein matrix morphology in various endosperm mutants of *Zea mays* L. *Crop Sci.* 17:415-21.
2. Hockett, E. A., P. S. Baenziger, and G. L. Steffens. 1978. A proposal for increased research on chemical induction of fertility in genetic male sterile barley. *Euphytica* 27:109-111.
3. Baenziger, P. S. and D. V. Glover. 1979. Dry matter accumulation in maize hybrids near isogenic for endosperm mutants conditioning protein quality. *Crop Sci.* 19:345-349.
4. Johnson, J. W., P. S. Baenziger, W. T. Yamazaki, and R. T. Smith. 1979. Effects of powdery mildew on yield and quality of isogenic lines of Chancellor wheat. *Crop Sci.* 19:349-352.
5. Baenziger, P. S., R. A. Kilpatrick, and J. G. Moseman. 1979. Reduced root and shoot growth caused by *Erysiphe graminis tritici* in related wheats grown in nutrient solution culture. *Canadian J. of Bot.* 57:1345-1348.
6. Schaeffer, G. W., P. S. Baenziger, and J. W. Worley. 1979. Haploid plant development from anthers and *in vitro* embryo culture of wheat. *Crop Sci.* 19:697-702.
7. Moseman, J. G. and P. S. Baenziger. 1979. Registration of barley composite crosses XXXV, XXXV-A, -B, and -C. *Crop Sci.* 19:750-751.
8. Baenziger, P. S. and D. V. Glover. 1980. Effort of plant population on yield and kernel characteristics of sugary-2 and normal maize. *Crop Sci.* 20:444-447.
9. Johnson, J. W., P. S. Baenziger, and W. T. Yamazaki. 1980. Effect of delayed wheat harvest on soft winter wheat. *Cereal Res. Comm.* 8(3):533- 537.
10. Kilpatrick, R. A., P. S. Baenziger, and J. G. Moseman. 1981. A multiple inoculation technique for evaluating single barley seedlings to three fungus pathogens. *Plant Disease* 65:504-506.
11. Moseman, J. G., P. S. Baenziger, and R. A. Kilpatrick. 1981. Genes conditioning resistance of *Hordeum spontaneum* to *Erysiphe graminis* f. sp. *hordei*. *Crop Sci.* 21:229-232.
12. Baenziger, P. S., J. G. Moseman, and R. A. Kilpatrick. 1981. Registration of barley composite crosses XXXVII-A, -B, and -C. *Crop Sci.* 21:351-352.
13. Bullock, W. P., P. S. Baenziger, G. W. Schaeffer, and P. J. Bottino. 1982. Anther culture

- of wheat (*Triticum aestivum* L.) F1's and their reciprocal crosses. Theor. Appl. Genet. 62:155-159.
14. Baenziger, P. S., D. M. Wesenberg, and R. C. Sicher. 1983. The effects of genes controlling barley leaf and sheath waxes on agronomic performance in irrigated and dryland environments. Crop Sci. 23:116-120.
  15. Baenziger, P. S., D. J. Sammons, and D. H. Smith, Jr. 1983. Registration of soft red winter wheat germplasm segregating for a dominant male sterile gene (Reg. No. GP 219) Crop Sci. 23:1022.
  16. Baenziger, P. S., J. G. Moseman, J. R. Tomerlin, D. J. Sammons, and D. H. Smith, Jr. 1983. Registration of winter barley composite cross XL. Crop Sci. 23:1017.
  17. Lazar, M. D., G. W. Schaeffer, and P. S. Baenziger. 1984. Cultivar and cultivar x environment effects on the development of callus and polyhaploid plants from anther cultures of wheat. Theor. Appl. Genet.: 67:273-277.
  18. Kudirka, D. T., G. W. Schaeffer, and P. S. Baenziger. 1983. Cytogenetic characteristics of wheat plants regenerated from anther calli of 'Centurk.' Can. J. Genet. and Cytol.: 25:513-517.
  19. Tomerlin, J. R., M. A. El-Morshidy, J. G. Moseman, P. S. Baenziger, and G. Kimber. 1983. Resistance to *Erysiphe graminis tritici*, *Puccinia recondita tritici*, and *Septoria nodorum* in wild *Triticum* species. Plant Diseases 68:10-13.
  20. Sicker, R. C., D. F. Kremer, W. G. Harris, and P. S. Baenziger. 1984. Photosynthate partitioning in diploid and autotetraploid barley (*Hordeum vulgare*). Physiologia Plantarum: 60:239-246.
  21. Lazar, M. D., G. W. Schaeffer, and P. S. Baenziger. 1984. Combining abilities and heritability of callus formation and plantlet regeneration in wheat (*Triticum aestivum* L.) anther cultures. Theor. Appl. Genet. 68:131-134.
  22. Lowry, J. R., D. J. Sammons, P. S. Moseman, and J. G. Moseman. 1984. Identification and characterization of the gene conditioning powdery mildew resistance in 'Amigo' wheat. Crop Sci. 24:129-132.
  23. Sammons, D. J. and P. S. Baenziger. 1984. Registration of MD 286 wheat germplasm. Crop Sci. 24:391-392.
  24. Baenziger, P. S., R. L. Clements, M. S. McIntosh, W. L. Yamazaki, T. M. Starling, D. J. Sammons, and J. W. Johnson. 1985. Effect of cultivar, environment and their interactions and stability analyses on milling and baking quality of soft red winter wheat. Crop Sci. 25:5-8.

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26. Lazar, M. D., G. W. Schaeffer, and P. S. Baenziger. 1985. The physical environment in relation to high frequency callus and plantlet development in anther cultures of wheat (*Triticum aestivum* L.) e.v. Chris. *J. Plant Physiol.* 121:103-109.
27. Sharma, H. C., and P. S. Baenziger. 1986. Production, morphology, and cytogenetic analysis of *Elymus caninus* (*Agropyron caninum*) x *Triticum aestivum* F1 hybrids and backcross-1 derivatives. *Theor. Appl. Genet.* 71:750-756
28. Mulchi, C. L., D. J. Sammons, and P. S. Baenziger. 1986. Yield and grain quality responses of soft winter wheat exposed to ozone during anthesis. *Agronomy J.* 78:593-600.
29. Rocheford, T. R., D. J. Sammons, and P. S. Baenziger. 1988. Planting date in relation to yield and yield components of wheat in the Middle Atlantic region. *Agron. J.* 80:30-34.
30. Baenziger, P. S., J. W. Schmidt, C. J. Peterson, V. A. Johnson, P. J. Mattern, A. F. Dreier, D.V. McVey, and J. H. Hatchett. 1989. Registration of 'Arapahoe' wheat. *Crop Sci.* 29:832.
31. Youssef, S. S., R. Morris, P. S. Baenziger, and C. M. Papa. 1989. Cytogenetic studies of progenies from crosses between 'Centurk' wheat and its doubled haploids derived from anther culture. *Genome* 32:622-628.
32. Baenziger, P. S., D. M. Wesenberg, V. M. Smail, W. L. Alexander, and G. W. Schaeffer. 1989. Agronomic performance of wheat doubled haploid lines derived from cultivars by anther culture. *J. Plant Breed.* 103:101-109.
33. Lazar, M. D., G. W. Schaeffer, and P. S. Baenziger. 1990. The effects of interactions of culture environment with genotype on wheat (*Triticum aestivum*) anther culture response. *Plant Cell Reports* 8:525-529.
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36. Yuan Han-min, V. D. Keppenne, P. S. Baenziger, T. Berke, and G. H. Liang. 1990. Effect of genotype and medium on wheat (*Triticum aestivum* L.) anther culture. *Plant Cell Tissue and Organ Culture* 21:253-258.

37. Keppenne, V. D., and P. S. Baenziger. 1990. Inheritance of the blue aleurone trait in diverse wheat crosses. *Genome* 33:525-529.
38. Baenziger, P. S., J. W. Schmidt, T. G. Berke, T. S. Payne, and S. M. Dofing. 1990. Registration of 'Perkins' winter barley. *Crop Sci.* 30:1355.
39. Baenziger, P. S. and J. W. Schmidt. 1991. Registration of 'Newcale' winter triticale. *Crop Sci.* 31:489-490.
40. Baenziger, P. S., V. D. Keppenne, M. R. Morris, C. J. Peterson, and P. J. Mattern. 1991. Quantifying gametoclonal variation in wheat doubled haploids. *Cereal Res. Comm.* 19:33-42.
41. Masrizal, R. L. Simonson, and P. S. Baenziger. 1991. Response of different wheat tissues to increasing doses of ethyl methanesulfonate. *Plant Cell, Tissue and Organ Culture* 26:141-146.
42. Rybczynski, J. J., R. L. Simonson, and P. S. Baenziger. 1991. Evidence for microspore embryogenesis in wheat anther culture. *In Vitro Cell. Dev. Biol.* 27P:168-174.
43. Berke, T. G. and P. S. Baenziger. 1992. Portable and desktop computer integrated field book and data collection system for agronomists. *Agron. J.* 84:119-121.
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47. Peterson, C. J., R. A. Graybosch, P. S. Baenziger, and A. W. Grombacher. 1992. Genotype and environment effects on quality characteristics of hard red winter wheat. *Crop Sci.* 32:98-103.
48. Sharma, H., J. Varnum, S. Sato, and S. G. Metz. 1992. Analysis of plants derived from wheat tissue culture. *Cereal Res. Comm.* 20:75-79.
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52. Yen, Y. and P. S. Baenziger. 1992. A better way to construct recombinant chromosome lines and their controls. *Genome* 35:827-830.
53. Peterson, C. J., R. A. Graybosch, P. S. Baenziger, D. R. Shelton, W. D. Worrall, L. A. Nelson, D. V. McVey and J. H. Hatchett. 1993. Registration of N86L177 wheat germplasm. *Crop Sci.* 33:350.
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