

CV for John Bamberg

Updated May 23, 2022

1. Education, Employment, Positions:

Ph.D., University of Wisconsin-Madison, December, 1988, Major: Plant Breeding & Plant Genetics. **M.S.**, University of Wisconsin, Madison, May, 1983, Major: Plant Breeding & Plant Genetics. **B.S.**, Western Illinois University, Macomb, IL, May, 1980, Major: Agronomy. **A.A.**, Highland Community College, Freeport IL, May, 1978.

Project Leader/Director, US Potato Genebank (USPG) at PARS, Sturgeon Bay (1989-p). **Project Assistant**, USPG (1985-1989). **Research Assistant**, Dr. R. E. Hanneman, Jr., Plant Breeding & Plant Genetics, UW Madison (1981-1985).

USDA/ARS Geneticist, Plants GS14 (since 1989)

Project Leader, US Potato Genebank (since 1989)

Professor, Dept. Horticulture (since April 2002)

Asst. Professor, Dept. Horticulture (1989-1995)

Current Role: Bamberg is Lead Scientist of the US Potato Genebank located on the UW Peninsular Agricultural Research Station near Sturgeon Bay. USPG is the US genebank for tuber-bearing *Solanum* species (potatoes) and is part of the USDA National Plant Germplasm System. The genebank's mission is to facilitate the improvement of potato through acquisition, classification, preservation, distribution, and evaluation of wild and cultivated potato germplasm. The genebank provides germplasm for US and foreign potato breeders and scientists. It coordinates evaluation of stocks by specialists around the US, and technology, germplasm and research cooperation with other potato genebanks around the world. It also has a program of on-site evaluation and characterization associated with *Solanum* taxonomy, genetics, physiology, genebank technology and any other disciplines that deploy the germplasm to return economic and nutritional benefits through improvement of the potato crop.

2. Appointment: Genebank Administration/Service: 80%, Research: 20%

General Research topics:

EVALUATION AND GENETICS OF TRAITS: frost tolerance, hormone and reproductive mutants, seed germination, tuber calcium, nutritionals and all other disease, pest, and stress issues of interest to the potato industry.

STATUS AND DYNAMICS OF GENETIC DIVERSITY IN THE GENE BANK:

What is the partitioning of diversity and how do our protocols affect diversity within and among genebanks? Can diversity in the wild be predicted and how does it compare to that in genebanks? Focus is within species.

GENEBANK TECHNOLOGY. Gather and publish information for maximizing the efficiency of germplasm handling.

COLLECTING: Wild potatoes of the southwest USA and associated research.

Service:

- Editor in Chief, Amer. J. Potato Research (AJPR) (Jan 2003-Aug 2018)
- Chairman, Crop Germplasm Committee (CGC) for potatoes (Jul 1989 – Jun 2020).
- National Rep for potato, Plant Germplasm Operations Comm. (Jul 1989 – present).

3. Full peer-reviewed publications (no abstracts or advised theses)

135	2022	Enciso-Maldonado, G., H. Lozoya-Saldaña, M.T. Colinas-Leon, J.A. Cuevas-Sanchez, A.D. Sanabria-Velázquez, J.B. Bamberg, and K.V. Raman. 2022. Assessment of Wild <i>Solanum</i> Species for Resistance to <i>Phytophthora infestans</i> (Mont.) de Bary in the Toluca Valley, Mexico. <i>American Journal of Potato Research</i> 99:25-39. https://doi.org/10.1007/s12230-021-09856-x
134	2021	Ma, Xing, Lily Lofton, John Bamberg and Bryan Swingle. Identification of resistance to <i>D. dianthicola</i> soft rot in <i>Solanum microdontum</i> . <i>American Journal of Potato Research</i> 99:58-68.
133	2021	Pavlik, B.M., M. Baker, J.B. Bamberg, A.H. del Rio, D. Kinder, and L.A. Louderback. 2021. Evidence for human-caused founder effect in populations of <i>Solanum jamesii</i> found at archaeological sites: I. Breeding experiments and the geography of sexual reproduction. <i>American Journal of Botany</i> 108:1808-1815.
132	2021	del Rio AH and Bamberg JB. 2021. An AFLP marker core subset for the cultivated potato species <i>Solanum phureja</i> (<i>Solanum tuberosum</i> Group Phureja). <i>American Journal of Potato Research</i> . https://doi.org/10.1007/s12230-021-09849-w
131	2021	Kinder, D., J.B. Bamberg, L. Louderback, B. Pavlik, and A.H. del Rio. <i>Solanum jamesii</i> as a Food Crop: History and Current Status of a Unique Potato <i>Pharmacy Faculty Scholarship</i> . 464. DOI: 10.5772/intechopen.98414
130	2021	Bamberg J.B. and A.H. del Rio. 2021. A metric for species representation in the US Potato Genebank. <i>American Journal of Potato Research</i> 98:263-265.
129	2021	Bamberg, J.B., and K. Lombard. 2021. Cold hardiness variation in <i>Solanum jamesii</i> and <i>Solanum kurtzianum</i> tubers. <i>American Journal of Potato Research</i> 99:69-72.
128	2021	Bamberg J.B., A.H. del Rio, L. Louderback, and B. Pavlik. 2021. Assessing SNP heterozygosity in potato (<i>Solanum</i>) species – bias due to missing and non-allelic genotypes. <i>American Journal of Potato Research</i> 98:328-332.
127	2021	Bamberg J.B., A. Kielar, A.H. del Rio, and D. Douches. 2021. Making hybrids with the wild potato <i>Solanum jamesii</i> . <i>American Journal of Potato Research</i> 98:187-193.
126	2020	Bamberg, J. and A. del Rio. 2020. Assessing under-Estimation of Genetic Diversity within Wild Potato (<i>Solanum</i>) Species Populations. <i>American Journal of Potato Research</i> 97:547-553.

125	2020	del Rio, A., and J.B. Bamberg. 2020. Detection of adaptive genetic diversity in wild potato populations and its implications in conservation of potato germplasm. <i>American Journal of Plant Sciences</i> 11:1562-1578.
124	2020	del Rio, A., and J.B. Bamberg. 2020. A Core Subset of the <i>ex situ</i> Collection of <i>S. demissum</i> at the US Potato Genebank. <i>American Journal of Potato Research</i> 97:505–512.
123	2020	Bamberg, J., K. Lombard, J.P. Palta, B.A. Workmaster and A. Atucha. 2020. Survival of <i>Solanum jamesii</i> Tubers at Freezing Temperatures. <i>American Journal of Potato Research</i> 97:497–504.
122	2020	Bamberg, J., del Rio, A., Fernandez, C.J. <i>et al.</i> A “Mega Population” of the Wild Potato Species <i>Solanum fendleri</i> . <i>American Journal of Potato Research</i> 97:531–533.
121	2020	Bamberg, JB. Emasculation technique reduces seedset in <i>Solanum verrucosum</i> . <i>American Journal of Potato Research</i> 97:111-113.
120	2019	Bamberg, JB, and G Greenway. 2019. Nutritional and Economic prospects for expanded potato outlets. <i>American Journal of Potato Research</i> 96:206-215.
119	2019	Robinson, BR, CG Salinas, PR Parra, JB Bamberg, RI Diaz de la Garza, and A Goyer. 2019. Expression Levels of the Y-Glutamyl Hydrolase I Gene Predict Vitamin B9 Content in potato Tubers. <i>Agronomy</i> 9, 734; doi:10.3390/agronomy9110734.
118	2019	Spooner, DM, PW Simon, JB Bamberg, and KM Cameron. 2019. PTIS potato herbarium transferred to WIS, the Wisconsin State Herbarium. <i>American Journal of Potato Research</i> 96:625–628.
117	2019	Kramer, L.J. and John Bamberg. 2019. Comparing Methods of Ploidy Estimation in Potato (<i>Solanum</i>) Species. <i>American Journal of Potato Research</i> 96:419-426.
116	2018	Bali, S., BR Robinson, V Sathuvalli, JB Bamberg, and A Goyer. 2018. Single nucleotide polymorphism markers associated with high folate content in wild potato species. <i>PloS ONE</i> . 2018 Feb 23;13(2):e0193415. doi: 10.1371/journal.pone.0193415.
115	2018	Graebner, RC, CR. Brown, RE Ingham, CH Hagerty, H Mojtahedi, RA Quick, LL Hamlin, N Wade, JB Bamberg, and V Sathuvalli. 2018. Resistance to <i>Meloidogyne chitwoodi</i> identified in wild potato species. <i>American Journal of Potato Research</i> 95:679-686.
114	2018	Bamberg, J.B. 2018. Diurnal alternating temperature improves germination of some wild potato (<i>Solanum</i>) botanical seedlots. <i>American Journal of Potato Research</i> 95:368-373.
113	2018	Bamberg, JB, del Rio, A, Jansky, J and Ellis, D. 2018. Ensuring the genetic diversity of potatoes. In: Achieving sustainable cultivation of potatoes No. 26, Vol.1 (Ed. Prof. Gefu Wang-Pruski). Burleigh-Dodds Science Publishers. Chapter 3, pp 57-80.

112	2017	Bamberg, JB, CJ Fernandez, and AH del Rio. 2017. Extra soil fertilization of mother plants increases botanical seed yield but not long-term germination in wild <i>Solanum</i> (potato) species. <i>American Journal of Potato Research</i> 94:583-587.
111	2017	del Rio A.H., Obregon C., Bamberg J.B., Petrick J., Bula R., de la Calle F. 2017. Validation of high-quality potato seed production protocol under controlled conditions (CETS System) in cultivated potato species (<i>Solanum tuberosum</i> L.). <i>ALAP Journal</i> 21(2): 71-78.
110	2016	Cooper, R., and JB Bamberg. 2016. Variation in susceptibility to potato psyllid, <i>Bactericera cockerelli</i> (Hemiptera: Trioziidae), among <i>Solanum verrucosum</i> germplasm accessions. <i>American Journal of Potato Research</i> 93:386-391.
109	2016	Bamberg, JB, A. H. del Rio, D. Kinder, L. Louderback, B.Pavlik, and C.Fernandez. 2016. Core Collections of potato (<i>Solanum</i>) species native to the USA. <i>American Journal of Potato Research</i> 93:564-571.
108	2016	Bamberg, JB and A. H. del Rio. 2016. Accumulation of genetic diversity in the US Potato Genebank. <i>American Journal of Potato Research</i> 93:430-435.
107	2016	Bamberg, J.B., Martin, M.W., Abad, J., Jenderek, M.M., Tanner, J., Donnelly, D.J., Nassar, AM.K., Veilleux, R.E., Novy, R.G. 2016. <i>In vitro</i> technology at the US Potato Genebank. <i>In Vitro Cellular and Developmental Biology – Plants</i> 52:213-225.
106	2016	Bamberg, JB, AH del Rio and RA Navarre. 2016. Intuitive Visual Impressions (Cogs) for Identifying Clusters of Diversity within Potato Species. <i>American Journal of Potato Research</i> 93:350-359.
105	2016	Jansky, S.H., Charkowski, A.O., Douches, D.S., Gusmini, G., Richael, C., Bethke, P.C., Spooner, D.M., Novy, R.G., De Jong, H., De Jong, W.S., Bamberg, J.B., Thompson, A.L., Bizimungu, B., Holm, D.G, Brown, C.R., Haynes, K.G., Sathuvalli, V.R. et al. 2016. Reinventing potato as a diploid inbred line-based crop. <i>Crop Science</i> 56:1-11.
104	2016	Chung, Y.S., Palta, J., Bamberg, J., Jansky, S. 2016. Potential molecular markers associated with tuber calcium content in wild potato germplasm. <i>Crop Science</i> . 56(2):576-584.
103	2015	Bruce R. Robinson, Vidyasagar Sathuvalli, John Bamberg, and Aymeric Goyer. 2015. Exploring Folate Diversity in Wild and Primitive Potatoes for Modern Crop Improvement. <i>Genes (Basel)</i> . 2015 Dec 8;6(4):1300-14.
102	2015	Bamberg, J., Moehninsi, R. Navarre, and J. Suriano. 2015. Variation for Tuber Greening in the Diploid Wild Potato <i>Solanum microdontum</i> . <i>American Journal of Potato Research</i> 92:435-443.
101	2015	Hardigan, M., J. Bamberg, C. Robin Buell and D. Douches. 2015. Taxonomy and genetic differentiation among wild and cultivated germplasm of <i>Solanum</i> sect. Petota. <i>The Plant Genome</i> . 8:1:16.
100	2015	Bamberg, JB, A del Rio, J Coombs and D Douches. 2015. Assessing SNPs versus RAPDs for predicting heterogeneity in wild potato species. <i>American Journal of Potato Research</i> 92:276-283.
99	2014	Bamberg, JB, J Suriano, A del Rio, WR Cooper, J Abad and C.Fernandez. 2014. <i>Matryoshka</i> : A New Floral Mutant in Potato. <i>American Journal of Potato Research</i> : 91:500-503.
98	2014	Cooper, WR and JB Bamberg. 2014. Variation in <i>Bactericera cockerelli</i> (Hemiptera: Trioziidae) oviposition, survival, and development on <i>Solanum bulbocastanum</i> germplasm. <i>American Journal of Potato Research</i> 91:532-537.
97	2014	Zorrilla, C, F Navarro, S Vega, JB Bamberg and JP Palta. 2014. Identification and Selection for Tuber Calcium, Internal Quality and Pitted Scab in Segregating Atlantic x Superior reciprocal tetraploid populations. <i>American Journal of Potato Research</i> 91:673-687.
96	2014	Bethke, P, N Atef, S Kubow, Y Leclerc, X Li, M Haroon, T Molen, JB

		Bamberg, M Martin and D Donnelly. 2014. History and Origin of Russet Burbank (Netted Gem) a sport of Russet Burbank. <i>American Journal of Potato Research</i> 91:579-593.
95	2014	Bamberg, JB. and AH del Rio. 2014. Selection and Validation of an AFLP Marker Core Collection for the Wild Potato <i>Solanum microdontum</i> . <i>American Journal of Potato Research</i> 91:368-375.
94	2013	Pillai, Syamkumar, Duroy Navarre, and John Bamberg. 2013. Analysis of polyphenols, anthocyanins, and carotenoids in tubers from <i>Solanum tuberosum</i> Group Phureja, Stenotomum and Andigena. <i>American Journal of Potato Research</i> 90:440-450.
93	2012	del Rio, Alfonso H., JB Bamberg, Ruth Centeno-Diaz, J. Soto, A. Salas, W. Roca and D. Tay. 2012. Pesticide contamination has little effect on the genetic diversity of potato species. <i>American Journal of Potato Research</i> 89:348-391.
92	2012	del Rio, Alfonso H., JB Bamberg, Ruth Centeno-Diaz, A. Salas, W. Roca and D. Tay. 2012. Effects of the pesticide Furadan on traits associated with reproduction of wild potato species. <i>American Journal of Plant Sciences</i> 3:1608-1612.
91	2012	Goyer, A., C Brown, R Knowles, L Knowles and JB Bamberg. 2012. Attacking the acrylamide dilemma by developing low sugar high carotenoid processing potatoes. Potato Progress (Washington State Potato Commission): 12(1):2-3.
90	2012	Bamberg, JB and JC Miller, Jr. 2012. Comparisons of <i>ga1</i> with other reputed gibberellin mutants in potato. <i>American Journal of Potato Research</i> 89:142-149.
89	2011	Bamberg, JB and AH del Rio. 2011. Diversity relationships among wild potato collections from seven “Sky Island” mountain ranges in the Southwest USA. <i>American Journal of Potato Research</i> 88(6):493-499
88	2011	Bamberg, JB, AH del Rio and J Penafiel. 2011. Successful prediction of genetic richness at wild potato collection sites in Southeastern Arizona. <i>American Journal of Potato Research</i> 88:398-402.
87	2011	Bamberg, JB and AH del Rio. 2011. Use of native potatoes for research and breeding. <i>Hortscience Proceedings</i> 46(11):1444-1445.
86	2010	Nitzan, N, RA Quick, WD Hutson, JB Bamberg and CR Brown. 2010. Partial Resistance to Potato Black Dot, Caused by <i>Colletotrichum coccodes</i> in <i>Solanum tuberosum</i> Group Andigena. <i>American Journal of Potato Research</i> 87:502-508.
85	2010	Bamberg, JB, AH del Rio, CF Fernandez, A Salas, S Vega, C Zorilla, W Roca and D Tay. 2010. Comparison of “remote” versus “easy” in situ collection locations for USA wild <i>Solanum</i> (potato) germplasm. <i>American Journal of Potato Research</i> 87:277-284.
84	2010	Bamberg, JB. 2010. Tuber dormancy lasting eight years in the wild potato <i>Solanum jamesii</i> . <i>American Journal of Potato Research</i> 87:226-228.
83	2010	Kiszonas, AM, and JB Bamberg. 2010. Survey of tuber pH variation in potato (<i>Solanum</i>) species. <i>American Journal of Potato Research</i> 87:167-176.
82	2009	Bamberg, J.B., A. H. del Rio. 2009. Unbalanced bulk of parents’ seed

		does not cause significant drift in germplasm regeneration of two model potato (<i>Solanum</i>) species populations. <i>American Journal of Potato Research</i> 86:391-397.
81	2009	Bamberg, J.B., A. H. del Rio and Rocio Moreyra. 2009. Genetic consequences of clonal versus seed sampling in model populations of two wild potato species indigenous to the USA. <i>American Journal of Potato Research</i> 86:367-372.
80	2009	Nzaramba, M. Ndambe, Lavanya Reddivari, John Bamberg, and J. Creighton Miller, Jr. 2009. Antiproliferative activity and cytotoxicity of <i>Solanum jamesii</i> tuber extracts on human colon and prostate cancer cells <i>in vitro</i> . <i>Journal of Agricultural and Food Chemistry</i> 57:8308-8315.
79	2008	Hale, AL, L Reddivari, MN Nzaramba, JB Bamberg, and JC Miller Jr. 2008. Interspecific variability for antioxidant activity and phenolic content among <i>Solanum</i> species. <i>Am J Potato Res</i> 85:332-341.
78	2008	Bamberg, JB and A. del Rio. 2008. Proximity and Introgression of Other Potato Species Does not Explain Genetic Dissimilarity between <i>Solanum verrucosum</i> Populations of Northern and Southern Mexico. <i>Am. J. Pot. Res.</i> 85:232–238.
77	2007	Bamberg, JB and A. H. del Rio. 2007. The canon of potato science-- 50 topics in potato science that every potato scientist should know: 1) Genetic diversity and gene banks. <i>Potato Research</i> 50:207-210.
76	2007	Nzaramba, M. Ndambe, J. B. Bamberg and J. C. Miller, Jr. 2007. Effect of propagule type and growing environment on antioxidant activity and total phenolic content in potato germplasm. <i>Amer J Potato Res</i> 84:323-330.
75	2007	Hijmans, R., T. Gavrilenko, S. Stephenson, J. Bamberg, A. Salas and D.M. Spooner. 2007. Geographic and environmental range expansion through polyploidy in wild potatoes (<i>Solanum</i> section Petota). <i>Global Ecol. Biogeogr.</i> 16: 485-495.
74	2006	Bamberg, JB, C. Fernandez, and A. del Rio. 2006. A new wild potato mutant in <i>Solanum stoloniferum</i> Schltdl. lacking purple pigment. <i>Am J. Potato Res</i> 83:437-445.
73	2006	del. Rio, AH, JB Bamberg and Z. Huaman. 2006. Genetic equivalence of putative duplicate germplasm collections held at CIP and US potato genebanks. <i>Am J. Potato Res</i> 83:279-285.
72	2006	Bamberg, JB. 2006. <i>Crazy Sepal</i> : a new floral Sepallata-like mutant in the wild potato <i>Solanum microdontum</i> Bitter. <i>Am J. Potato Res</i> 83:433-435.
71	2006	Vega. S. E. J. B. Bamberg and J. P. Palta. 2006. Gibberellin-deficient dwarfs in potato vary in exogenous GA3 response when the <i>ga1</i> allele is in different genetic backgrounds. <i>Am J. Potato Res</i> 83:357-363.
70	2006	Bamberg, JB and A del Rio. 2006. Seedling transplant selection does not cause genetic shifts in genebank populations of inbred potato species. <i>Crop Science</i> 46:424-427.
69	2005	Kuang, H.H., F.S. Wei, M.R. Marano, U. Wirtz, X.X. Wang, J. Liu, W.P. Shum, J. Zaborsky, L.J. Tallon, W. Rensink, S. Lobst, P.F. Zhang, C.E. Tornqvist, A. Tek, J. Bamberg, J. Helgeson, W. Fry, F. You, M.C. Luo, J.M. Jiang, C.R. Buell, and B. Baker. 2005. The R1 resistance gene cluster contains three groups of independently evolving, type I R1

		homologues and shows substantial structural variation among haplotypes of <i>Solanum demissum</i> . Plant J 44(1):37-51.
68	2005	Bamberg, JB, JP Palta and SE Vega. 2005. <i>Solanum commersonii</i> cytoplasm does not improve freezing tolerance in substitution backcross hybrids with frost-sensitive potato species. Am J Potato Res 82:251-254.
67	2005	Bamberg, JB and A del Rio. 2005. Conservation of Genetic Resources. In: Maharaj K Razdan and Autar K Mattoo (Eds.), 2005. Genetic Improvement of Solanaceous Crops Vol.1: Potato. Science Publishers, Inc., Enfield, USA, 451 pp.
66	2005	Kiru, S, S Makovskaya, J Bamberg and A del Rio. 2005. New sources of resistance to race Ro1 of the Golden nematode (<i>Globodera rostochiensis</i> Woll.) among reputed duplicate germplasm accessions of <i>Solanum tuberosum</i> L. subsp. <i>andigena</i> (Juz. et Buk.) Hawkes in the VIR (Russian) and US Potato Genebanks. Genet Resources and Crop Evol 52:145-149.
65	2004	Bamberg, J.B. and A.H. del Rio. 2004. Genetic heterogeneity estimated by RAPD polymorphism of four tuber-bearing potato species differing by breeding system. Am J Potato Res 81:377-383.
64	2004	Brown CR, H Mojtahedi, and JB Bamberg. 2004. Evaluation of <i>Solanum fendleri</i> as a source of resistance to <i>Meloidogyne chitwoodi</i> . Am J Potato Res 81:415-419.
63	2004	del Rio, AH and JB Bamberg. 2004. Geographical parameters and proximity to related species predict genetic variation in the inbred potato species <i>Solanum verrucosum</i> Schlecht. Crop Science 44:1170-1177.
62	2004	Spooner, DM, RG van den Berg, A Rodríguez, J Bamberg, RJ Hijmans, and SI Lara-Cabrera. 2004. Wild potatoes (<i>Solanum</i> section <i>Petota</i>) of North and Central America. Syst Bot Monogr Vol 68. 209 pp.
61	2004	Vega SE, AH del Rio, JB Bamberg and JP Palta. 2004. Evidence for the up-regulation of stearoyl-ACP ($\delta 9$) desaturase gene expression during cold acclimation. Am J Potato Res 81:125-135.
60	2003	Bamberg, JB and AH del Rio. 2003. Vulnerability of alleles in the US Potato Genebank Extrapolated from RAPDs. Am J Potato Res 80:79-85.
59	2003	Bamberg, JB, AH del Rio, Z Huaman, S Vega, M Martin, A Salas, J Pavek, S Kiru, C Fernandez and DM Spooner. 2003. A decade of collecting and research on wild potatoes of the southwest USA. Am J Potato Res 80:159-172.
58	2003	del Rio, AH and JB Bamberg. 2003. The effect of genebank seed increase on the genetics of recently collected potato (<i>Solanum</i>) germplasm. Am J Potato Res 80:215-218.
57	2003	Hijmans, RJ, M Jacobs, JB Bamberg, and DM Spooner. 2003. Frost tolerance in wild potato species: Assessing the predictivity of taxonomic, geographic, and ecological factors. Euphytica 130:47-59.
56	2003	Vega SE, AH del Rio, G Jung, JB Bamberg and JP Palta. 2003. Marker-assisted genetic analysis of non-acclimated freezing tolerance and cold acclimation capacity in a backcross <i>Solanum</i> population. Am J Potato Res 80:359-369.
55	2002	del Rio, AH and J. Bamberg. 2002. Lack of association between genetic and geographic origin characteristics for the wild potato <i>Solanum suurense</i> Hawkes. Am J Potato Res 79:335-338.
54	2001	Bamberg, JB, SD Kiru and AH del Rio. 2001. Comparison of reputed duplicate

		populations in the Russian and US potato genebanks using RAPD markers. <i>Am J Potato Res</i> 78: 365-369.
53	2001	del Rio, AH, JB Bamberg, Z Huaman, A Salas, and SE Vega. 2001. Association of eco-geographical variables and genetic variation in native wild US potato populations determined by RAPD markers. <i>Crop Science</i> 41:870-878.
52	2001	Douches, DS, JB Bamberg, W Kirk, K Jastrzebski, BA Niemira, J Coombs, DA Bisognin, and KJ Fletcher. 2001. Evaluation of wild <i>Solanum</i> species for resistance to the US-8 genotype of <i>Phytophthora infestans</i> utilizing a fine-screening technique. <i>Am J Potato Res</i> 78:159-165.
51	2000	Bamberg, JB. 2000. Germination of gibberellin sensitive <i>Solanum</i> (potato) botanical seeds soaked in GA3 and re-dried. <i>Am J Potato Res</i> 77:201-202.
50	2000	Bamberg, J, C Singsit, AH del Rio and EB Radcliffe. 2000. RAPD analysis of genetic diversity in <i>Solanum</i> populations to predict the need for fine screening. <i>Am J Potato Res</i> 77:275-278.
49	2000	del Rio AH and JB Bamberg. 2000. RAPD markers efficiently distinguish heterogenous populations of wild potato (<i>Solanum</i>). <i>Genetic Resources and Crop Evolution</i> 47:115-121.
48	2000	Huaman, Z, R Hoekstra, and J Bamberg. 2000. The intergenebank potato database and the dimensions of available wild potato germplasm. <i>Am J Potato Res</i> 77:353-362.
47	2000	Vega, SE, J Palta and J Bamberg. 2000. Variability in the rate of cold acclimation and de-acclimation among tuber-bearing <i>Solanum</i> (potato) species. <i>J Am Soc Hort Sci</i> 125:205-211.
46	1999	Bamberg, JB. 1999. Dependence on exogenous gibberellin for seed germination in <i>Solanum acaule</i> Bitter and other <i>Solanum</i> (potato) species. <i>Am J Potato Res</i> 76:351-355.
45	1999	Bamberg, JB. 1999. Screening for gibberellin deficiency mutants in <i>Solanum tuberosum</i> ssp. <i>andigena</i> <i>Am J Potato Res</i> 76:321-322.
44	1999	Bamberg, JB. 1999. Wild potatoes on public lands of the Southwest. US Potato Genebank publication, 4312 Hwy 42, Sturgeon Bay, WI, USA. 6pp.
43	1999	Chen, Y-K, J Palta and J Bamberg. 1999. Freezing tolerance and tuber production in self and backcross progenies derived from somatic hybrids between <i>Solanum tuberosum</i> L. and <i>S. commersonii</i> Dun. <i>Theor Appl Genet</i> 99:100-107.
42	1999	Chen, Y-K, J Palta, J Bamberg, H Kim, G Haberlach, and J Helgeson. 1999. Expressions of nonacclimated freezing tolerance and cold acclimation capacity in somatic hybrids between hardy wild <i>Solanum</i> species and cultivated potatoes. <i>Euphytica</i> 107:1-8.
41	1999	Chen, Y-K, J Bamberg and J Palta. 1999. Expression of freezing tolerance in the interspecific F1 and somatic hybrids of potatoes. <i>Theor Appl Genet</i> 98:955-1004.
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