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Using model food systems to develop mathematical models for construction of state diagrams of fruit products

A. Grajales-Lagunes, C. Rivera-Bautista, I.O. Loredo-García, R. González-García, M.M. González-Chávez, S.J. Schmidt, M.A. Ruiz-Cabrera



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4 **A. Grajales-Lagunes^a, C. Rivera-Bautista^a, I. O. Loredó-García^a, R. González-**
5 **García^a, M.M. González-Chávez^a, S.J. Schmidt^b, M.A. Ruiz-Cabrera^{a,*}**

6
7 ^aFacultad de Ciencias Químicas. Universidad Autónoma de San Luis Potosí. Av. Dr.
8 Manuel Nava No. 6, Zona Universitaria, C.P. 78210, San Luis Potosí, S.L.P. México.

9 ^bDepartment of Food Science and Human Nutrition, University of Illinois at Urbana-
10 Champaign, 367 Bevier Hall, 905 South Goodwin Avenue, Urbana, IL.

11 *Corresponding author E-mail address: mruiz@uaslp.mx; sjs@illinois.edu

12 Tel: +52 444 8262440

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