California Agriculture is a quarterly, peer-reviewed journal reporting research and reviews, published by University of California Agriculture and Natural Resources (ANR). The first issue appeared in 1946, making California Agriculture one of the oldest, continuously published, land-grant university research journals in the country. There are about 10,000 print subscribers.

**Mission and audience.** California Agriculture publishes refereed original research in a form accessible to a well-educated audience. In the last readership survey, 33% worked in agriculture, 31% were university faculty or research scientists, and 19% worked in government agencies or were elected office holders.

**Electronic version of record.** In July 2011, the electronic journal became the version of record; it includes printed and electronic-only articles. When citing or indexing articles, use the electronic publication date.

**Indexing.** The journal is indexed by AGRICOLA, Current Contents (Thomson ISI’s Agriculture, Biology and Environmental Sciences and the SCI databases), Commonwealth Agricultural Bureau (CAB), EBSCO (Academic Search Complete), Gale (Academic OneFile), Proquest and others, including open-access databases. It has high visibility on Google and Google Scholar searches. All peer-reviewed articles are posted to the ANR and California Digital Scholarship repositories. In the 2015 Thomson JCR, the journal’s 5-year impact factor was 1.02.

**Authors and reviewers.** Authors are primarily but not exclusively from ANR; in the past 2 years, 25% were based at other UC or CSU campuses, in government agencies or at other universities and research institutions. In the same period, 39% of reviewers came from outside ANR.

**Rejection rate.** In the past 2 years, roughly 40% of submitted papers that have entered our peer-review process have been rejected. Roughly 50% of submissions are rejected by the editors without peer review due to a mismatch with the journal’s scope or clear weaknesses in the research.

**Peer-review policies.** Manuscripts that pass the initial screening by the editors undergo double-blind, anonymous peer review. An associate editor evaluates the paper and then nominates two qualified reviewers. If the first two reviews are affirmative, the article is accepted. If one is negative, the manuscript is sent to a third reviewer. The associate editor makes the final decision, in consultation with the managing and executive editors.

**Editing.** After peer review and acceptance, all manuscripts are extensively edited by the California Agriculture staff to ensure readability for an educated lay audience and multidisciplinary academics.

**Submissions.** California Agriculture manages the peer review of manuscripts online. Please read our Writing Guidelines before submitting an article; see: calag.ucanr.edu/submitarticles/.

**Letters.** The editorial staff welcomes letters, comments and suggestions. Please write to us at the address below. Include your full name and address. Letters may be edited for space and clarity.

**Subscriptions.** These are free within the United States and $24 per year abroad. Single copies are $5 each. Go to: calag.ucanr.edu/subscribe/ or write us. International orders must include check or money order in U.S. funds, payable to UC Regents. Credit cards are accepted online.

**Permissions.** Material in California Agriculture, excluding photographs, is licensed under the Creative Commons CC BY-NC-ND 4.0 license. Please credit California Agriculture, University of California, citing volume, number and page numbers. Indicate ©[year] The Regents of the University of California.

To request permission to reprint a photograph published in California Agriculture in print or online, please complete the UC ANR Permissions Request Form (http://ucanr.edu/survey/survey.cfm?surveynumber=5147). In general, photos may be reprinted for non-commercial purposes.

---

California Agriculture

Peer-reviewed research and news published by University of California Agriculture and Natural Resources

**VOLUME 71, NUMBER 1**

Orders and Subscriptions: 1301 S. 46th St., Bldg. 478, Richmond, CA 94804-4600
Phone: (510) 665-2163; Fax: (510) 665-3427; calag@ucanr.edu

dtvuedited by the

Editorial: 2801 Second Street, Room 184; Davis, CA 95618-7779
(530) 750-1223; calag@ucanr.edu

dtvuedited by the

Director of Publishing and Production: Ann Senuta
Executive Editor: Jim Downing
Managing Editor: Deborah Thompson
Senior Editor: Hazel White
Art Director: Will Suckow
Administrative Support: Carol Lopez

Associate Editors
Animal, Avian, Aquaculture & Veterinary Sciences: John Angelos, Maurice Pitesky
Economics & Public Policy: Rachael Goodhue, Mark Lubell, Kurt Schwabe
Food & Nutrition: Amy Block Joy, Lorene Ritchie
Human & Community Development: Martin Smith
Land, Air & Water Sciences: Khaled Bai, Yufang Jin, Sanjai Parikh, Bryan Weare
Natural Resources: Richard B. Standiford, Elise Gornish
Pest Management: Kent Daane, Joseph DiTomaso, Neil McRoberts, James Stapleton
Plant Sciences: Kent Bradford, Kevin R. Day, Rachael F. Long

California Agriculture ISSN 0008-0845, print, linking; ISSN 2160-8091, online) is published quarterly and mailed at periodicals postage paid at Richmond, CA, and additional mailing offices. Postmaster: Send change of address "Form 3579" to California Agriculture at the address above.

©2017 The Regents of the University of California