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The following peer-reviewed research articles, and news and editorial coverage, were published in *California Agriculture*, Volume 63, Numbers 1 to 4 (January-March, April-June, July-September, October-December), 2009. Back issues are $5 per copy, while supplies last. To subscribe to the journal, order back issues, search the archives or download PDFs of all research articles in full, go to: http://CaliforniaAgriculture.ucanr.org.

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Research and review articles

Animal, Avian, Aquaculture and Veterinary Sciences

Castillo AR. Whole-farm nutrient balances are an important tool for California dairy farms. 63(3):149–51.

Kobayashi M, Howitt RE, Carpenter TE. Model could aid emergency response planning for foot-and-mouth disease outbreaks. 63(3):137–42.

Mitloehner FM, Sun H, Karlik JF. Direct measurements improve estimates of dairy greenhouse-gas emissions. 63(2):79–83. CC

Moore DA, Adaska JM, Higginbotham GE, et al. Testing new dairy cattle for disease can boost herd health, cut costs. 63(1):29–34.

Economics and public policy

Blank SC, Forero LC, Nader GA. Video market data for calves and yearlings confirms price discounts for Western cattle. 63(4):225–31.

Blank S, Klonsky K, Fuller K, et al. Hay harvesting services respond to market trends. 63(3):143–8.

Howitt RE, Català-Luque R, De Gryze S, et al. Realistic payments could encourage farmers to adopt practices that sequester carbon. 63(2):91–5. CC

Jetter KM, Godfrey K. Diaprepes root weevil, a new California pest, will raise costs for pest control and trigger quarantines. 63(3):121–6.

Niemeier D, Rowan D. From kiosks to megastores: The evolving carbon market. 63(2):96–103. CC

Rajagopal D, Sexton S, Hochman G, et al. Model estimates food-versus-biofuel trade-off. 63(4):199–201. BF

Sexton S, Rajagopal D, Hochman G, et al. Biofuel policy must evaluate environmental, food security and energy goals to maximize net benefits. 63(4):191–8. BF

Human and community development

Carlos RM, Borba JA, Heck KE, et al. Survey explores teen driving behavior in Central Valley, Los Angeles high schools. 63(4):208–14.

Forero L, Heck KE, Weliver P, et al. Member record books are useful tools for evaluating 4-H club programs. 63(4):215–9.

Land, air and water sciences

De Gryze S, Albarracin MV, Català-Luque R, et al. Modeling shows that alternative soil management can decrease greenhouse gases. 63(2):84–90. CC

Hanson BR, May DE, Šimůnek J, et al. Drip irrigation provides the salinity control needed for profitable irrigation of tomatoes in the San Joaquin Valley. 63(3):131–6.

Jenkins BM, Williams RB, Parker N, et al. Sustainable use of California biomass resources can help meet state and national bioenergy targets. 63(4):168–77. BF

Stapleton JJ, Bañuelos GS. Biomass crops can be used for biological disinfestation and remediation of soils and water. 63(1):41–6. BF

Weare BC. How will changes in global climate influence California? 63(2):59–66. CC

Wyman CE, Yang B. Cellulosic biomass could meet California's transportation fuel needs. 63(4):185–90. BF

Zhong L, Hawkins T, Holland K, et al. Satellite imagery can support water planning in the Central Valley. 63(4):220–4.

Natural resources

Frankie GW, Thorp RW, Hernandez J, et al. Native bees are a rich natural resource in urban California gardens. 63(3):113–20.

Pest management

Trumble JT, Butler CD. Climate change will exacerbate California's insect pest problems. 63(2):73–8. CC

Plant sciences

Bartley LE, Ronald PC. Plant and microbial research seeks biofuel production from lignocellulose. 63(4):178–84. BF

Bloom AJ. As carbon dioxide rises, food quality will decline without careful nitrogen management. 63(2):67–72. CC

Farrar JJ, Nunez JJ, Davis RM. Losses due to lenticel rot are an increasing concern for Kern County potato growers. 63(3):127–30.

Garbelotto M, Schmidt DJ. Phosphonate controls sudden oak death pathogen for up to 2 years. 63(1):10–7.

Higbee BS, Siegel JP. New navel orangeworm sanitation standards could reduce almond damage. 63(1):24–8.

Kaffka SR. Can feedstock production for biofuels be sustainable in California? 63(4):202–7. BF

Kallsen CE, Parfitt DE, Maranto J, Holtz BA. New pistachio varieties show promise for California cultivation. 63(1):18–23.

Summers CG, Mitchell JP, Prather TS, Stapleton JJ. Sudex cover crops can kill and stunt subsequent tomato, lettuce and broccoli transplants through allelopathy. 63(1):35–40.

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Editorials/Editorial overviews

Allen-Diaz B. Climate change affects us all. 63(2):51–3 (overview).

Alston JM, Pardey PG, James JS. Setting agricultural science strategy in tumultuous economic times. 63(1):2.

Dooley DM. Focus on the future: Implementing the ANR strategic vision. 63(3):106.

Jenkins BM, Somerville C, Stapleton JJ. Biofuels: Growing toward sustainability. 63(4):155–8 (overview).
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Special issue key
CC = Climate change
BF = Biofuels