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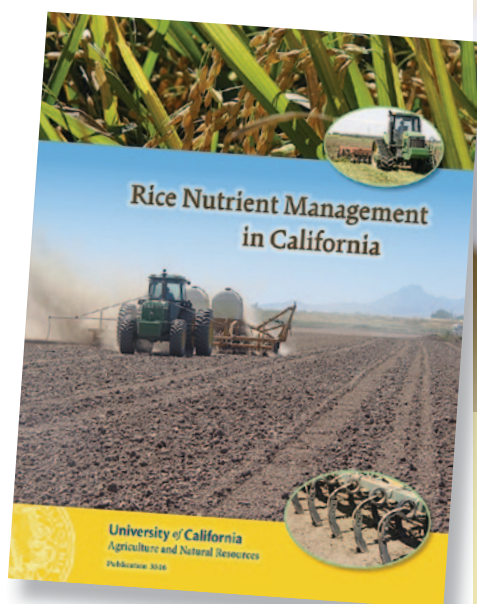
Rice Nutrient Management in California

As a flooded crop, rice presents unique fertility management problems. Fertilizer applications benefit plant health and grain quality, but the misuse of fertilizers can damage crops, contaminate the environment and waste money. With increasing fertilizer prices, the need to focus on careful nutrient management is greater than ever. This guide provides a step-by-step analysis of particular growing situations to allow more informed decisions about nutrient management for rice crops. Chapters cover the basics, from soil types and how flooding affects soil fertility, to a complete analysis of seven nutrients, along with salinity, pH and other potential toxicities.

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The UC Center for Health and Nutrition Research (CHNR) funds research into how nutrients in whole foods — in particular the micronutrients, phytochemicals and bioactive constituents found in fruits, vegetables and nuts — can act to reduce the risk of chronic diseases such as cancer and heart disease. In the next issue of *California Agriculture* journal, nutrition scientists affiliated with CHNR present the results of innovative, biology-based studies, including work on the role of omega-3 fatty acids (found in fish, including salmon) in modulating inflammation and controlling asthma; how phytochemicals influence the activity of mitochondria; the relationship between soy protein and cardiovascular disease risk; the nutritional needs of young female athletes; and the potential of citrus fruits to prevent serious vitamin A deficiencies.