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International Programs  
College of Agriculture and Life Sciences

SINCE 1963

# Arsenic in Rice

## *From Field to Fork*

**John Duxbury**

**April 10, 2015**

**12:20-1:10pm**

**102 Mann**

*refreshments provided*

Through a distinguished career as a professor in the Section of Soil and Crop Sciences, School of Integrated Plant Sciences at Cornell University, Dr. John Duxbury has worked extensively in Asia, Africa and Latin America. His current focus is on increasing crop productivity and sustainable use of resources in rice-based cropping systems in S. Asia, including understanding and managing the effects of soil and irrigation water contamination with arsenic on rice production and quality in Bangladesh.

The seminar will provide an overview of why we should be concerned about the arsenic content of rice and what we can do about it. Duxbury will cover: Arsenic toxicity to humans; standards for inorganic arsenic in water and foods and potential health impacts of arsenic in rice; factors that affect the accumulation and speciation of arsenic in rice; environmental contamination with arsenic and toxicity to rice; agronomic and genetic strategies to reduce the inorganic arsenic content of rice grain and tradeoffs with cadmium; and, processing and cooking effects on arsenic content and speciation in rice.

**For more information contact [lhf2@cornell.edu](mailto:lhf2@cornell.edu)**



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