Lunch~N~Learn SEMINAR

NATIONAL C-FAR

THE NATIONAL COALITION FOR FOOD & AGRICULTURAL RESEARCH

Program:

BALANCING NUTRIENTS: A GROWING NEED

Food, Fuel, and Plant Nutrient Use in the Future

March 18, 2013
PROGRAM

Welcome and Introduction

DR. DAVID EDWARDS
NATIONAL C-FAR REPRESENTATIVE

Distinguished Speakers

DR. DAVID ZILBERMAN
PROFESSOR
DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS
UNIVERSITY OF CALIFORNIA–BERKELEY

DR. BRUCE DALE
PROFESSOR
DEPARTMENT OF CHEMICAL ENGINEERING AND MATERIALS SCIENCE
MICHIGAN STATE UNIVERSITY

Open Forum

Closing

DR. DAVID EDWARDS

NATIONAL C-FAR IS a nonprofit, nonpartisan, consensus-based and customer-led coalition that brings food, agriculture, nutrition, conservation and natural resource stakeholders together with the food and agriculture research and extension community, serving as a forum and a unified voice in support of sustaining and increasing public investment at the national level in food and agricultural research, extension, and education. For additional information, go to www.ncfar.org; or contact Tom Van Arsdall, Executive Director, at tom@vanarsdall.com.
ABSTRACT
Future food, fiber, and fuel demands will not be met by expanding cropland area; continued advances in nutrient use efficiency will moderate increased nutrient demand. With a growing population, dwindling arable land, and an increased demand for biofuels, the world cannot count on an expansion of harvested area to fill the demands of the world’s growing population. The use of genetics to improve crop productivity, promote soil conservation and management, and use nutrients efficiently is necessary. The key lies in supporting research and development in these areas. This CAST Issue Paper looks at the background leading to the current situation and addresses the resulting requirements as world food production develops during the next 40 years. The authors use data to analyze factors influencing crop production now and indications of what is to come, and they show how research regarding nutrient use, recovery, and recycling is crucial.

SPEAKER BIOGRAPHIES
David Zilberman, Ph.D., is a Professor in the Department of Agricultural and Resource Economics at the University of California–Berkeley. He is also a Fellow of the Agricultural and Applied Economics Association and the Association of Environmental and Resource Economists. Zilberman's areas of expertise include agricultural and environmental policy, biotechnology, bioenergy and climate change, and the economics of innovation, risk, marketing, water, and pest control. His research interests involve agricultural and nutritional policy, economics of technological change, economics of natural resources, and microeconomic theory. Zilberman received his B.A. in economics and statistics from Tel Aviv University in Israel and his Ph.D. in agricultural and resource economics from UC–Berkeley.

Bruce Dale, Ph.D., is a Professor of chemical engineering at Michigan State University and Editor in Chief of Biofuels, Bioproducts and Biorefining. He is the winner of the Charles D. Scott Award, the Sterling Hendricks award, and the Award of Excellence of the Fuel Ethanol Workshop. He is a Fellow of the American Institute of Chemical Engineers and in 2008 was named to the Distinguished University Faculty at Michigan State. For the past three years, he has been cited as one of the Top 100 People in Bioenergy by Bioenergy Digest. Research interests include the environmentally sustainable conversion of plant matter to industrial products—fuels, chemicals, and materials—while still meeting human and animal needs for food and feed.
SEMINAR SERIES DESCRIPTION

National C-FAR’s Seminar Series regularly presents leading-edge researchers to address pressing issues confronting the public and Congress. National C-FAR and the Seminar Series serve as a resource to policymakers and all congressional staff.

Seminar Series Contributing Sponsors

Alliance to Feed the Future  
American Society for Nutrition  
Bayer CropScience  
Biotechnology Industry Organization (BIO)  
CHS Inc.  
Cooperative Extension  
Council for Agricultural Science and Technology (CAST)  
Council on Food, Agricultural & Resource Economics (C-FARE)  
Dr. William Danforth  
Elanco Animal Health  
Eversole Associates  
Illinois Soybean Association  
Indiana Soybean Alliance  
Institute of Food Technologists  
Michael Newman, DVM  
National Farmers Union  
North American Millers’ Association  
Riley Memorial Foundation  
Syngenta  
United Soybean Board  
University of Wyoming  
Weed Science Society of America

THE NATIONAL COALITION FOR FOOD & AGRICULTURAL RESEARCH

http://www.ncfar.org

R. Thomas Van Arsdall, Executive Director  
Phone: (703) 509-4746  
E-mail: tom@vanarsdall.com