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**THE NATIONAL COALITION FOR
FOOD & AGRICULTURAL RESEARCH**

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THE NATIONAL COALITION FOR
FOOD & AGRICULTURAL RESEARCH

Program:

AGRICULTURE'S "PERFECT STORM"

*Agricultural Productivity Strategies for the Future:
Addressing U.S. and Global Challenges*

February 1, 2010

PROGRAM

Welcome and Introduction

M. STEPHANIE PATRICK
NATIONAL C-FAR REPRESENTATIVE

Distinguished Speaker

DR. GALE BUCHANAN
Dean and Director Emeritus, Athens
College of Agricultural and Environmental Sciences
The University of Georgia
Tifton Campus

Open Forum

Closing

M. STEPHANIE PATRICK

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

CAST Issue Paper 45, *Agricultural Productivity Strategies for the Future: Addressing U.S. and Global Challenges*. This important Issue Paper, with a preface from Dr. Norman E. Borlaug, has been prepared as an update of *Agricultural Science and the Public*, CAST Paper No. 1, written by Dr. Borlaug in 1973. The current paper is a forthright appraisal of contemporary and future challenges facing U.S. and world agriculture. The authors address several key issues and indicate that the convergence of so many challenges at one time is unprecedented. They question the commitment by the United States and many other countries for support of agricultural research and indicate the far-reaching impact that such research, education, and resulting technology—or lack thereof—will have on the nation and the world. They conclude that future agricultural policy for all nations must include a strong commitment to science if nations are to meet the coming challenges successfully. The paper includes an Appendix of promising scientific approaches that could improve agricultural productivity and help to bring about the “Next Green Revolution.”

SPEAKER BIOGRAPHY

Gale Buchanan, Ph.D., Dean and Director Emeritus, Athens; College of Agricultural and Environmental Sciences, The University of Georgia, Tifton Campus. Dr. Buchanan has served in many capacities throughout his notable career. He is the former Dean and Director of the Alabama Agricultural Experiment Station, Interim and Associate Director of the Georgia Agricultural Experiment Stations, and Resident Director of the Coastal Plain Experiment Station. Dr. Buchanan is a former Chief Scientist and USDA Under Secretary for Research, Education, and Economics, serving with Secretaries of Agriculture Ed Schafer and Mike Johanns. Dr. Buchanan served as President of the Council for Agricultural Science and Technology (CAST) from 1992–1993 and chairs the task force of notable scientists, researchers, and government leaders for this current CAST publication. He received the B.S. and M.S. degrees in Agronomy from the University of Florida and the Ph.D. in Plant Physiology, with minors in Botany and Agronomy, from Iowa State University.