

OBJECTIVES

At the conclusion of Session I, the participant should be able to develop strategies to improve practice and patient outcomes by increasing their ability to:

- Differentiate the objectives and philosophies of rural health and agricultural medicine.
- Predict the main respiratory diseases commonly found in agricultural workers and their symptoms, diagnosis, treatment, and prevention.
- Detect signs, symptoms, and treatment options of common zoonotic diseases in humans.
- Define the major types of pesticides and how people are exposed.
- Describe symptoms, diagnosis, and treatment of pesticide poisoning
- Identify the uses and hazards of biological products, pharmaceuticals, and antibiotics used in livestock production; Devise strategies for the prevention of their misuse; and treatment of health conditions they may affect.
- Recognize the effects of noise, heat and other physical factors on worker health.
- Assess types of injuries caused by various hazardous situations and extrication problems associated with farm injury incidents.
- Review the causes of farm-related stress and how stress is associated with behavioral health issues among farm populations.
- Evaluate the signs, symptoms, causes, and prevention strategies of skin cancer in rural residents.
- Recognize infectious dermatitis and contact dermatitis common in agricultural worker.

At the conclusion of Session II, the participant should be able to develop strategies to improve practice and patient outcomes by increasing their ability to:

- Compare cancer risks and their possible causes in the farm population with the general population
- Describe the components of a basic low back pain screening examination
- Determine the difference between muscular, disc, and joint patterns of low back pain.
- Identify key health and safety issues of children, aging farmers and migrant farm workers.
- Summarize the components of a comprehensive agricultural health service
- Identify key community partners for outreach and education to the agricultural community.
- Describe the AgrAbility program for farmers with disabilities
- Assess and document specific on-farm safety hazards
- Review safety assessment data with the farmer and propose options for improvement.
- Recommend the appropriate use and selection of personal protective equipment for respiratory, noise, and chemical hazards.

LOCATION & HOTEL

This conference will be held at the Holiday Inn Express Greenville, which is located at 909 Moye Boulevard, Greenville, NC. For general information regarding the course, please call East Carolina University's Division of Continuing Studies at (800) 767-9111 or visit www.cpe.ecu.edu.

A block of rooms has been reserved at the Holiday Inn Express Greenville for the nights of November 30-December 4, 2009. Please make your reservations directly with the hotel at (252) 754-8300. In order to receive the conference rate of \$70 plus tax, reference the "ECU AgriSafe Conference". The cut-off date for reservations is October 30, 2009.

Credit available to participants!

Continuing Medical Education

Accreditation

This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of The Brody School of Medicine at East Carolina University, Eastern Area Health Education Center, ECU Division of Continuing Studies and the North Carolina Agromedicine Institute. The ECU School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Credit

The Brody School of Medicine designates this educational activity for a maximum of 38.25 AMA PRA Category 1 Credits™. Physicians should claim only those credits commensurate with the extent of their participation in the activity.

Continuing Nursing Education

Contact hours have been applied for from the North Carolina Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation

Continuing Education Units (CEUs)

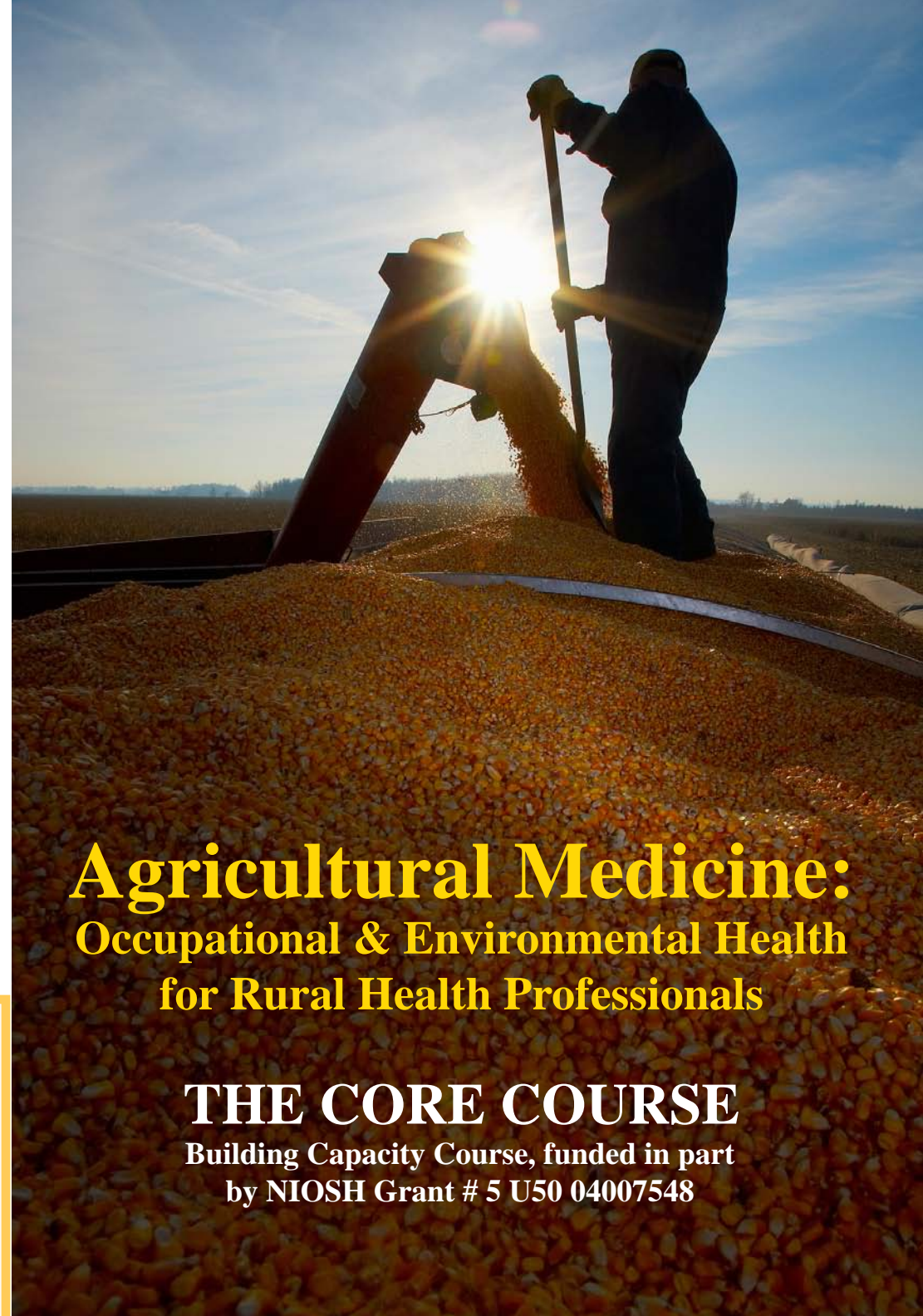
This program has been approved to award 3.8 CEUs for 38.25 contact hours of continuing professional education.

Academic Credit

Graduate credit (3 hours) is available from NC State University for individuals completing both sessions. Master's students should register for TOX 620-004 Agricultural Medicine; PhD students should register for TOX 820-004 Agricultural Medicine.



1157 VOA Site C Road
Greenville, NC 27834



Agricultural Medicine: Occupational & Environmental Health for Rural Health Professionals

THE CORE COURSE
Building Capacity Course, funded in part
by NIOSH Grant # 5 U50 04007548

November 30 - December 4, 2009
Greenville, North Carolina



SCHEDULE OF EVENTS

Session I

Day 1 Monday, November 30
 8:00 Registration & Continental Breakfast
 8:15 Introduction and Overview
 Brief History and Description of
 Agricultural Health
Kelley J. Donham
 Diversity of Agriculture in NC
 Including Fishing, Farming, &
 Forestry
Julia Storm & Robin Tutor
 Overview of Migrant/Seasonal
 Farmworkers
Elizabeth Freeman Lambar
 9:45 Break
 10:00 Agricultural Respiratory Diseases
Mani Kavuru & Kelley J. Donham
 12:30 Lunch
 1:30 Zoonotic Diseases
Rick Langley
 4:15 Adjourn for the day

Day 2 Tuesday, December 1
 7:45 Continental Breakfast
 8:00 Health Effects of Agricultural
 Pesticides
*Bob Bruss, William Meggs,
 & Sheila Higgins*
 9:30 Break
 9:45 Veterinary Biological & Therapeutic
 Occupational Hazards
Kelley J. Donham & Barrett Slenning
 11:15 Physical Factors Affecting Health in
 Agriculture
Kelley J. Donham & Sharon Rutledge
 12:45 Lunch
 1:45 Acute Agricultural Injuries
James Young & Jeffrey Ferguson
 5:00 Adjourn for the day

Day 3 Wednesday, December 2
 7:45 Continental Breakfast
 8:00 General Environmental Hazards in
 Agriculture
Rick Langley & Mike Williams
 9:15 Behavioral Health Issues in the
 Farming Community
Michael Rosmann
 10:45 Break
 11:00 Agricultural Skin Diseases
William Burke
 12:30 Questions and Review of Session I
Kelley J. Donham
 12:45 Adjourn Session I

Session II

Day 1 Wednesday, December 2
 1:15 Registration
 1:45 Session II Overview
Kelley J. Donham
 2:00 Musculoskeletal Diseases &
 Ergonomics in Agriculture
Dennis Paine
 4:30 Break
 4:45 Cancer in Agricultural Populations
Michael Alavanja
 5:30 Adjourn for the day

Day 2 Thursday, December 3
 7:45 Continental Breakfast
 8:00 Migrant Health Issues
Sylvia Becker-Dreps
 9:00 Intro to AgriSafe/Certified Safe Farm
Carolyn Sheridan & Kelley Donham
 10:00 Break
 10:15 Community Partners for Education/
 Outreach
*AgriSafe-NC, NC Farm
 Bureau Safety Program, FS4JK, &
 NC Cooperative Extension*
 11:15 Services for Farmers with Disabilities
Becky Brightwell
 12:15 Lunch
 1:15 AgriSafe-NC: Working with the
 AgriSafe State Affiliate
Robin Tutor
 2:15 Farm Tour (Travel by bus to farms)
LaMar Grafft
 5:00 Barbecue
 7:00 Return to hotel

Day 3 Friday, December 4
 7:45 Continental Breakfast
 8:00 An Overview of Prevention of Illness
 & Injury in Agricultural Populations
Kelley J. Donham
 8:45 Use of PPE in Agriculture
Kelley Donham & Carolyn Sheridan
 10:00 Break
 10:15 Use of PPE When OSHA & Worker
 Protection Act Applies
Ed Crotts & Kelley J. Donham
 12:30 Lunch
 1:30 Integration of Agricultural
 Occupational Health Care into an
 Established Health Care Organization
Carolyn Sheridan
 3:30 Break
 3:45 Case Presentations/Problem Solving
Sheridan, Donham, & Grafft
 5:15 Questions and Review of Session II
 5:30 Adjourn

PRESENTERS

Michael C.R. Alavanja, DrPH
 Division of Cancer Epidemiology & Genetics,
 National Cancer Institute

Sylvia Becker-Dreps, MD, MPH
 North Carolina Farmworker Health Program

Rebecca Brightwell, MBA
 University of Georgia Institute on Human
 Development and Disability

Bob Bruss, PhD
 Structural Pest Control & Pesticides Division,
 NC Department of Agriculture & Consumer
 Services

William A. Burke, MD
 Brody School of Medicine, East Carolina University

Edward D. Crotts, MS
 Department of Environmental Health Sciences,
 East Carolina University

Kelley J. Donham, MS, DVM
 Iowa's Center for Agricultural Safety&Health
 (I-CASH)

Elizabeth Freeman Lambar, MSW, MPH
 North Carolina Farmworker Health Program

Jeffery D. Ferguson, MD, NREMT-P
 Brody School of Medicine, East Carolina
 University

LaMar Grafft, MS
 Iowa's Center for Agricultural Safety&Health
 (I-CASH)

Ronald Hawkins
 NC Farm Bureau Federation

Sheila Higgins, RN, MPH, COHN-S
 Division of Public Health , NC Department of
 Health & Human Services

Eve Honeycutt
 North Carolina Cooperative Extension

Rick L. Langley, MD, MPH
 Division of Public Health , NC Department of
 Health & Human Services

William Joel Meggs, MD, PhD
 Brody School of Medicine, East Carolina
 University

Mani S. Kavuru, MD
 Brody School of Medicine, East Carolina
 University

Dennis D. Paine, BSc, CPE
 The Ergonomics Center of North Carolina

Michael R. Rosmann, PhD
 AgriWellness, Inc.

Sharon Louise Rutledge, AuD
 Department of Communication Sciences &
 Disorders/Audiology, East Carolina University

Carolyn Sheridan, RN, BSN
 AgriSafe Network, Spencer, Iowa

Karen Sirucek
 Tri-County Community Health Center

Barrett Slenning, MS, DVM, MPVM
 College of Veterinary Medicine, NC State
 University

Julia F. Storm, MSPH
 North Carolina Agromedicine Institute

Robin Tutor, MPH, OTR/L
 North Carolina Agromedicine Institute

C.M. (Mike) Williams, PhD
 College of Agriculture & Life Sciences,
 NC State University

James "Jim" Young
 Carolina Rescue & EMS

Vickie Young
 Watauga County Farm Services Agency

REGISTRATION FORM

Agricultural Medicine November 30 - December 4, 2009

PERSONAL INFORMATION

Name _____
 Organization _____
 Degree _____ Specialty _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____ E-mail _____

REGISTRATION INFORMATION

		On or before 11/1/09	After 11/1/09
Session I	November 30-December 2	<input type="checkbox"/> \$399	<input type="checkbox"/> \$499
Session II	December 2-4	<input type="checkbox"/> \$399	<input type="checkbox"/> \$499

Total Enclosed \$ _____

PAYMENT METHOD

Check (make payable to East Carolina University)
 Charge to : Visa MasterCard

Card Number _____ Exp. Date _____

Authorizing Signature _____

*Registration fee includes continental breakfast, lunches, breaks,
 and conference materials. Requests for refunds must be made in writing to the
 Division of Continuing Studies within 30-days of the session.
 An administrative processing charge of \$200 will be retained by the Division.
 Substitutions may be made at anytime without additional fee.*

REGISTRATION METHODS

You may register by any of the following methods:

- Mail to:**
 Division of Continuing Studies
 East Carolina University
 301 Self-Help Center
 Greenville, NC 27858-4353
- Telephone:**
 (252) 328-9198 or
 (800) 767-9111 *long distance only*
- Fax:**
 (252) 328-9342
- Web:**
 www.cpe.ecu.edu

