

2016

AGRICULTURAL MEDICINE

Keeping Rural America Healthy and Safe

Occupational & Environmental Medicine for Rural Health Providers



Photo: Brooke Tolar Photography



Workshops

March 18, 19, & May 20, 21, 2016

Webinars

April 1, 8, 15, 22, 29 & May 6, 2016

Jointly provided by

Greensboro AHEC, Eastern AHEC and the North Carolina Agromedicine Institute and in partnership with Great Plains Center for Agricultural Health and North Carolina Tobacco Trust Fund Commission

Statement of Purpose

The Annual Agricultural Course is designed to help healthcare providers in all disciplines and settings better understand the culture of agriculture and the health risks and illnesses associated with living and working in rural communities. These learning activities provide participants with invaluable information and skills to recognize and work together to address &/or prevent occupational illness and injury in the farm environment. These programs also prepare healthcare providers to become nationally recognized as AgriSafe® providers.

Instructors

All the faculty and presenters for the core course are specialists in rural and agricultural medicine.

Course Description

The Agricultural Medicine Core Course is a blended learning experience whereby participants meet in a face-to-face environment for hands-on learning, demonstrations, simulations, and networking, as well as engage in 6 webinars via the internet. Completion of the course and a passing grade of 70% on evaluative tests will result in the national designation of "Certified AgriSafe® Professional".

Target Audience

ALL Healthcare providers and paraprofessionals who practice in rural areas, including physicians, nurses, physical therapists, occupational therapists, speech and language pathologists, Emergency First Responders, safety and environmental personnel, risk managers, community health workers, farmworker outreach staff, Cooperative Extension Agents, and any interested others.

Educational Objectives

At the conclusion of Parts 1 & 2, 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, the symptoms, diagnosis, treatment and prevention.
- Detect signs, symptoms and treatment options of common zoonotic diseases in humans.
- Define the major types of pesticides and risk factors for exposure, as well as symptoms, diagnosis and treatment of pesticide poisoning and related illness.
- Identify the uses and hazards of biological, pharmaceuticals, and antibiotics used in livestock production; devise strategies for the prevention of their misuse; and treatment of health conditions they may affect.

- Discuss and assess hazards and human health consequences, including but not limited to emissions, working environment, and pathogenic microorganisms, associated with concentrated production of livestock and poultry.
- 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 agriculture related stress and how stress is associated with behavioral health issues among farming and fishing populations.
- Evaluate the signs, symptoms, causes and prevention strategies of skin problems in rural residents and those in occupations in agriculture and commercial fishing.
- Determine the difference between muscular, disc, and joint patterns of low back pain.

At the conclusion of Part 3, the participant should be able to develop strategies to improve practice and patient outcomes by increasing their ability to:

- Compare and contrast cancer risks and their possible causes in the farm population with the general population.
- Describe the NC AgrAbility Partnership as a resource for individuals farming with a disability and their families.
- Recommend the appropriate use and selection of personal protective equipment for respiratory, noise, and chemical hazards.
- Summarize the components of a comprehensive agricultural health service such as AgriSafe®.
- Assess and document on-farm safety hazards.
- Review safety assessment data with the farmer and propose options for improvement.
- Identify key community partners for outreach and education to the agricultural community.

Face-to-Face Session Location

East Carolina Agriculture and Education Center 1175 Kingsboro Road, Rocky Mount, NC 2701

The East Carolina Agriculture and Education Center is conveniently located between Rocky Mount and Tarboro near the intersection of Interstate 95 and Highway 64 for easy access from anywhere in NC and nearby states!

Hotels for out of town participants are located off exit 466 in Rocky Mount.

Doubletree by Hilton
651 N. Winstead Ave.
Rocky Mount, NC 27804

Holiday Inn Rocky Mount
200 Enterprise Dr.
Rocky Mount, NC 27804

[Double Tree Rocky Mount](#)

[Holiday Inn Rocky Mount](#)

PART I – Face to Face Workshop

Friday, March 18, 2016

7:30 am - 8:00 am	Registration & Continental Breakfast
8:00 am - 8:15 am	Welcome & Orientation to Facilities <i>Robin Tutor-Marcom, EdD(c) MPH, OTR /L</i>
8:15 am - 9:45 am	Introduction and Overview of Agricultural Health <i>Robin Tutor-Marcom, EdD(c) MPH, OTR /L</i>
	Diversity of Agriculture in NC Including Fishing, Farming, & Forestry <i>Julia Storm, MSPH</i>
	Overview of Migrant/Seasonal Farmworkers <i>Zoe Cummings, MSW, MPH, CHES</i>
9:45 am - 10:00 am	Break
10:00 am - 12:00 pm	Agricultural Respiratory Diseases
12:00 pm - 1:00 pm	Lunch (provided)
1:00 pm - 2:15 pm	Zoonotic Diseases <i>Dorcas O'Rourke, DVM</i>
2:15 pm - 2:30 pm	Break
2:30 pm - 3:45 pm	Zoonotic Diseases (continued) <i>Dorcas O'Rourke, DVM</i>
3:45 pm - 5:15 pm	Veterinary Biological & Therapeutic Occupational Hazards <i>Karen Oppelt, DVM</i>

Saturday, March 19, 2016

7:30 am - 8:00 am	Continental Breakfast
8:00 am - 9:00 am	Physical Factors (Vibration & Thermal Energy) <i>LaMar Grafft, MS</i>
9:00 am - 10:00 am	Behavioral Health Issues in the Agricultural Community <i>Michael Rosmann, PhD</i>
10:00 am - 10:15 am	Break
10:15 am - 12:15 pm	Agricultural Trauma, Part I <i>LaMar Grafft, MS</i>
12:15 pm - 1:00 pm	Preparing to Participate in Distance Education Sessions <i>Annette Greer, PhD, MSN, RN</i>

PART 2 – Webinars

Webinars will include self-study of posted presentations followed by one hour live chat session with instructors.

Instructions for distance education sessions will be provided at conclusion of Session 1. Time allotted is for live chat sessions only. Additional time (*1-2.5 hours each*) will be required for self-study of posted presentations. Participants are strongly encouraged to have a headset and high speed internet connection for participation in the webinars.

ALL WEBINARS are 11:30 AM – 12:30 PM EST

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| <i>April 1, 2016</i>
(Event # 48476) | Confined Animal Feeding Operations (CAFO)
<i>Mike Williams, PhD</i> |
| <i>April 8, 2016</i>
(Event #48474) | Musculoskeletal Disease and Ergonomics in Agriculture
<i>Sue Leach, PhD</i> |
| <i>April 15, 2016</i>
(Event #48477) | Physical Factors Affecting Health in Agriculture – Noise and Hearing Conservation
<i>Jessica Wilburn, RN</i> |
| <i>April 22, 2016</i>
(Event #48478) | Agricultural Toxicology
<i>Sheila Higgins, RN, MPH, COHN-S</i> |
| <i>April 29, 2016</i>
(Event #48479) | Skin Diseases in Agriculture
<i>William Burke, MD</i> |
| <i>May 6, 2016</i>
(Event #48480) | Agricultural Trauma, Part II
<i>LaMar Grafft, MS</i> |

PART 3 – Face to Face Workshop

Friday, May 20, 2016

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|-------------------|---|
| 7:15 am – 7:45 am | Registration & Refreshments |
| 7:45 am – 8:00 am | Course Overview & Welcome
<i>Robin Tutor-Marcom, EdD(c) MPH, OTR /L</i> |
| 8:00 am – 9:00 am | Certified Safe Farm
<i>Julia Storm, MSPH & Tim Britton, MS</i> |

- 9:00 am – 11:00 pm **Farm Tour (includes travel time)**
Julia Storm, MSPH & Tim Britton, MS
- 11:00 am – 12:00 pm **Safety Risk Assessment Workshop**
Julia Storm, MSPH & Tim Britton, MS
- 12:00 pm – 1:30 pm **Lunch (provided)**
- 1:30 pm – 3:00 pm **Cancer in Agricultural Populations**
Michael Alavanja, DrPH
- 3:00 pm – 3:15 pm **Break**
- 3:15 pm - 4:15 pm **Migrant Health Issues and Outreach**
Steve Davis, BS
- 4:15 pm - 5:30 pm **Farming with Disabilities: Resources for Farmers & Families**
Robin Tutor-Marcom, EdD(c) MPH, OTR /L

Saturday, May 21, 2016

- 7:30 am – 8:00 am **Check-in & Refreshments**
- 8:00 am – 9:00 am **Introduction to Injury Prevention in Agriculture – What Does and Doesn't Work**
LaMar Grafft, MS
- 9:00 am – 10:15 am **OSHA and the Worker Protection Standard**
Regina Cullen, MS, CPM & Patrick Jones, BS
- 10:15 am – 10:30 am **Break**
- 10:30 am – 12:30 pm **Practical Applications & Use of PPE in Agriculture**
LaMar Grafft, MS
- 12:30 pm – 1:30 pm **Lunch (Provided)**
- 1:30 pm – 2:30 pm **Integration of Agricultural Occupational Health Care into an Established Healthcare Organization: The Importance of the Occupational History and Differential Diagnosis**
Robin Tutor-Marcom, EdD(c) MPH, OTR /L
- 2:30 pm – 3:30 pm **Overview of the AgriSafe® Network: Resources for Providers**
Robin Tutor-Marcom, EdD(c) MPH, OTR /L
- 3:30 pm – 3:45 pm **Break**
- 3:45 pm – 5:15 pm **Case Presentations & Problem Solving**
Robin Tutor-Marcom, EdD(c) MPH, OTR /L, LaMar Grafft, MS & Annette Greer, PhD, MSN, RN
- 5:15 pm – 5:30 pm **Questions and Review of Session**

Credit Available to Participants

Greensboro AHEC will provide up to **41.5** contact hours of continuing nursing education (CNE) to registered nurses or up to 41 contact hours or 4.1 CEUs to all other healthcare professionals. Course attendance and completion of pre and post exams and an evaluation of each workshop/webinar is required to receive continuing education credits. No partial credit will be provided.

Part 1 March Workshop	12.25 CNE hours or 12 contact hours or 1.2 CEU
Part 2 Webinars	15.5 CNE hours or 15.5 contact hours or 1.55 CEU
Part 3 May Workshop	13.75 CNE hours or 13.5 contact hours or 1.35 CEU
Total Possible Credit	41.5 CNE contact hours or 41 contact hours or 4.1 CEU

Participants are responsible for checking with their state licensing board or accrediting/certifying organization to determine if this activity meets their continuing education requirements.

Greensboro AHEC is an approved provider of continuing nursing education by the North Carolina Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

All participants intending to become nationally recognized as a Certified AgriSafe[®] Professional must participate in all sessions of the training and pass all examinations. A score of 70% or higher must be obtained for a passing grade.

Text Book

Agricultural Medicine: Occupational and Environmental Health for the Health Professions by Kelley J. Donham and Anders Thelin, published by Blackwell Publishing will be provided to all participants.

Registration

The registration fee includes program materials, credit, and refreshments. Participants are encouraged to take advantage of the reduced registration fee by registering on or before the late fee date deadlines (March 4, 2016 - Part 1/May 6, 2016- Part 3). If you register early and must subsequently cancel, a full refund will be made through March 4, 2016/May 6, 2016. No refunds will be made thereafter, but a substitute may attend. **NOTE:** If you register, do not attend, and do not cancel by the March 4/May 6 deadlines, you or your agency **will be billed** for the full amount for the registration fee.

Please complete the attached registration form and fax to (252)744-5229, or you may mail the completed registration form to: Eastern AHEC ~ Attn: Registration * P.O. Box 7224 * Greenville, NC 27835-7224. Online registration is also available at www.eahec.ecu.edu For more information, contact EAHEC Department of Public Health Education at 252-744-5205 or bullockamy@ecu.edu , or LaMar Grafft, MS NC Agromedicine Institute at 252-744-9542 or grafftl@ecu.edu

Keeping Rural America Healthy & Safe

Register online at <http://www.eahec.ecu.edu>

If not registering online, please send this registration form to:

Eastern AHEC, Attn: Registration, PO Box 7224, Greenville NC 27835-7224, Fax 252-744-5229

Personal

Last Name _____

First Name _____ Middle Initial _____

Personal ID #, typically the last 4 digits of Soc. Sec. # for credit tracking

Discipline (check one) Allied Health Dentistry Health Careers Medicine
 Mental Health Nursing Pharmacy Public Health Other

Specialties _____

Degrees/Certifications/License _____

Mail goes to Home Office or by E-mail

Workplace

Employer _____

Department _____ Position _____

Street/PO Box _____

City _____ State _____ Zip _____

Phone _____ E-mail _____

Home

Street/PO Box _____

City _____ State _____ Zip _____

Phone _____ E-mail _____

	Check Programs to Register for	Title & Date	Event #	Early Fee	Late Fee
PART 1		Keeping Rural America Healthy & Safe March 18 & 19, 2016	T48257	\$210	\$260
PART 2 (Webinars)		Confined Animal Feeding Operations	T48476	\$25	\$30
		Musculoskeletal Diseases and Ergonomics in Agriculture	T48474	\$25	\$30
		Physical Factors Affecting Health in Agriculture – Noise & Hearing	T48477	\$25	\$30
		Agricultural Toxicology	T48478	\$25	\$30
		Skin Diseases in Agriculture	T48479	\$25	\$30
		Agricultural Trauma Part II	T48480	\$25	\$30
Part 3		Keeping Rural America Healthy & Safe May 20 & 21, 2016	T48258	\$180	\$230

For EAHEC Use Only Amount Enclosed _____ Date _____

Payment

Check/Cash enclosed for \$ _____ or PO# _____ or

Charge \$ _____ to VISA MasterCard AMX Discover

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Exp. Date _____ Security Code (last 3 digits from back of card)

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Billing Address _____

City _____ State _____ Zip _____