Overview of Resources of the Northeast Center for Occupational Health and Safety

2018 AgrAbility National Training Workshop
Portland, ME

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Agricultural Safety Specialist
New York Center for Agricultural Medicine and Health-NYCAMH

Northeast Center for Occupational Health-NEC
NYCAMH

Established by NY State Legislature 1987

- **Research** into causes of increased rates of illness and injury in NY agriculture
- **Prevention** activities
- **Education** of farm community and professionals serving this community
- **Clinical** services
The NEC Coverage Area
THE MANY FACES OF NYCAMH

1. Bassett Healthcare
2. Colorado State University
3. National Farm Medicine Center
4. University of California, Davis
5. University of Florida at Gainesville
6. University of Iowa
7. University of Kentucky
8. University of Minnesota
9. University of Nebraska Medical Center
10. University of Texas Health Science Center, Tyler
11. University of Washington

NIOSH Centers for Agricultural Safety and Health

HEALTHWORKS

NYCAMH
NEC’s Mission: “Enhance the health of AFF workers by identifying priority health and safety issues and working with AFF communities and stakeholders to develop prevention solutions.”
NEC STAFF EXPERTISE

- Epidemiologists
- Biostatisticians
- Social worker
- Information specialist
- OH nurses
- Educators
- Physicians
- Bilingual safety specialists
- etc...

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Identify Hazards

Provide Training

Develop Programs

Provide Healthcare

Health Assessments

Case Work

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Case Work
CLICK HERE FOR AN IMPORTANT UPDATE

OSHA has announced a new Local Emphasis Program for New York Dairy Farms. This is the fifth year of the OSHA LEP for New York Dairy farms with more than ten employees. This LEP will continue until September 30, 2018.
My Background

MS, Ag Safety, Purdue University
BS, Ag Education, UNH - TSAS

Dairy Farm Worker
Assistant Herdsman
Farm Machinery Operator
My Background

Heavy Equipment Operator

NY Air National Guard

23 years

MSgt (Ret)
FUNDING SOURCES

FEDERAL FUNDING (CDC)
Agriculture, Forestry and Fishing Research → The Northeast

STATE FUNDING (DOH)
Occupational Health and Safety Services → New York

STATE FUNDING (DOL)
Agricultural safety training and worksite inspections → New York

OTHER FUNDING
Farm Emergency Mapping, John May Safety Fund → New York
2016-2021 Center Projects

- Penn State Grain Bin Entry Research
- UMASS Lowell Lobster CBPR Intervention
- John Hopkins University-Fishing App Evaluation
- NEC-PTO Influence Strategies
- NEC-Outreach Program
- NEC-Emerging Issues Program
- NEC Pilot Studies Program
- NEC-Evaluation Program
- NEC Forestry Injury and Health Surveillance

The Northeast Center
Farming is Dangerous
Farming and Risk

Farming is a gamble
Used to risk
Generally do not view safety hazards as big risks to worry about
Number and rate of fatal occupational injuries to civilian workers by major occupation group, 2016

- Transportation and material moving occupations had the highest number of fatal work injuries in 2016.
- Farming, fishing, and forestry occupations had the highest fatal work injury rate in 2016.

Total fatal work injuries = 5,190
All-worker fatal injury rate = 3.6

Number of fatal work injuries

- Transportation and material moving: 1,388
- Construction and extraction: 970
- Service: 787
- Installation, maintenance, and repair: 470
- Management, business, and financial operations: 404
- Farming, fishing, and forestry: 290
- Professional and related: 268
- Sales and related: 254
- Production: 216
- Office and administrative support: 78

Fatal work injury rate (per 100,000 full-time equivalent workers)

- Transportation and material moving: 15.4
- Construction and extraction: 12.4
- Service: 3.4
- Installation, maintenance, and repair: 9.4
- Management, business, and financial operations: 1.6
- Farming, fishing, and forestry: 24.9
- Professional and related: 0.8
- Sales and related: 1.8
- Production: 2.6
- Office and administrative support: 0.5
Civilian occupations with high fatal work injury rates, 2016

- In 2016, fatal work injury rates were high for logging workers and fishers and related fishing workers.
- Driver/sales workers and truck drivers incurred the greatest number of fatal injuries.
Farm Hazards

- Traumatic injuries
- Respiratory
- Noise/hearing loss
- Chemical/pesticide exposures
- Musculoskeletal disorders
- Environmental
- Health and wellness
- Stress
Types of Incidents

- Tractors
- Machinery-related (PTO’s, power shafts, augers)
- Roadway/motor vehicle incidents
- Slips and falls (from ladders, hay mows, into manure pits, etc.)
- Livestock handling (cows, bulls, horses)
- Asphyxiation/Engulfments (manure gases, grain bins, silos)
- Musculoskeletal injuries
- Hand injuries
Agriculture has Unique Aspects

- Use large machinery and equipment
- Lots of older equipment still in service
- Large animals
- Senior farmers at risk
  - What is the retirement age in farming?
- Immigrant workers and language barriers
- Children perform farm work or are exposed to hazards
Deaths to Youths on Farms

Around 100 kids killed on US farms each year (under 20 years old)
2/3 are bystander deaths

• 33 injured each day
Agriculture has Unique Aspects

- **Operate in some hazardous conditions**
  
  Extreme weather, steep slopes, long hours could have 2\textsuperscript{nd} job, work alone for long periods of time

- **EMS services not always readily available**

- **Increased exposure for motor vehicle crashes**

- **OSHA health & safety standards not enforced on small farms (less than 11 employees)**
New York Ag Fatalities

<table>
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<tr>
<th>Year</th>
<th>Deaths</th>
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<tr>
<td>2014</td>
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<td>2007</td>
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<tr>
<td>2006</td>
<td>25</td>
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2016 – 12

Most were tractor rollovers (5)

• Struck-by incidents (5)

2015 - 19 deaths
Main Types of Tractor Related Fatalities

Overturns
• most common

Runovers

Power take off (PTO)

entanglements

Roadway incidents
THE NATIONAL ROPS REBATE PROGRAM

Pilot Research 2006

Statewide Program

PA, VT & NH Expansion 2010-2011

Add MA, WI, MN, 2013-16

NEC Services | March 20, 2018
THE NATIONAL ROPS REBATE PROGRAM

APPLY NOW
Select Your State
New York ROPS Retrofit Rebate Program

- Launched November 2006
- No more than $500 out of Pocket
- Toll-free hotline
NEC Mini Grants

Pilot Project Funding

Up to $15,000 mini grant for one year projects

• Lay groundwork for larger, multi year projects
• Identify emerging health & safety issues in Farming, Fishing or Forestry
• Identify innovative and Effective means for reducing/eliminating workplace hazards
RFP will be out in April

Eligibility Criteria:

- Research or outreach activities conducted in: ME, MA, NH, VT, CT, RI, DE, NY, PA, MD, NJ, or WV
- Preference given to proposals that support goals of NEC
- Application can be accessed at: http://www.necenter.org/activities/feasibility

NEC Mini Grants
Confidential assistance to farmers and their families with stress related issues

Provides:

• One-on-one support
• Grief support
• Assistance with aid applications
• Finds assistive technology for disabled farmers
Outreach to Farm Community

On-Farm Safety Program

Farm Emergency Response Program

Safety presentations and outreach for the farm community
NYCAMH On-Farm Safety Program

Funded by a grant from the New York State Department of Labor Hazard Abatement Board  Over 20 years!

1. Safety Surveys
2. Safety Training

Any type of agricultural business:

• Dairy
• Vegetable
• Orchard
• Greenhouse
• Horse
Farm Safety Surveys

Safety Audits:

• Identify hazards
• Consultation
• Template written programs for the “OSHA Dairy Dozen”
• Follow-up to see if improvements were made
On-Farm Safety Training

• 45 to 60 minutes in length
• Farm specific/Spanish
OSHA NY Dairy LEP

The New York State dairy industry has learned that the Occupational Health and Safety Administration (OSHA) is implementing a Local Emphasis Program (LEP) that will focus on random, unannounced compliance inspections at New York State dairy farms starting in July 2014.

OSHA can inspect certain businesses based on four priorities:

1. Imminent danger
2. Catastrophes and fatal accidents
3. Complaints and referrals
4. Programmed inspections

While farms subject to regulation can be inspected under any one of these categories, dairy farms will be inspected under the New York Dairy LEP.
NYCAMH Farm Emergency Response Program

Provide training in first response to farm workers

- How to handle emergencies
- Free CPR and First Aid training

American Heart Association
NYCAMH Farm Emergency Response Program

FREE Fire Safety Training
NYCAMH Farm Emergency Response Program

Ag hazard awareness training for emergency personnel
Personal Protective Equipment

Products we sell:

- Hearing protection
- Respiratory
- Chemical protection
- Eye protection
- PTO shields
- SMV emblems
Retrofit PTO Shields

Bare-Co Patent Lever Release Shaft Guard
allows guards to be pulled back to facilitate Safe Engagement of PTO Shaft Yokes
and regular joint maintenance.

An alternate (old) design requiring tools to open is available on request. The alternate design does NOT meet current risk assessment requirements.
Retrofit PTO Shields

Prices:
Small Shield $59
Large Shield $77
Bare-Co Lever Release
Respirator Fit Testing

On-Farm Respirator Fit Testing for half-face and disposable respirators

For Fee Service
• Takes seven minutes
• A hood is placed on the head
• One type of spray is used, bitter or sweet, depending on the sensitivity of the person
• Respirator fits if no flavor is detected
Who can apply?

- Resident of NY State
- Active farmer (Full or Part-time)
- Any commodity
- Annual gross farm income of $10,000 - $349,999, OR dairy farm less than 700 mature cows
How does it work?

• Simple application
• Safety survey from NYCAMH
• Pays 50% of the cost up to $5000
  • Cattle handling equipment
  • Electrical upgrades
  • Eye wash stations
  • Silo ladders
Mobile Occupational Clinic

Cholesterol Checks
Hearing Testing
Vision Testing
Blood Pressure Screening
Immunizations (cost associated)
Skin Cancer Screening (subject to provider availability)
Respirator fit testing
Online Farmworker Occupational Health Resource
Other NE Resources

Northeast Agricultural Safety and Health Coalition-NEASHC
Other NE Resources

• Penn State Agricultural Safety and Health Program
  https://extension.psu.edu/business-and-operations/farm-safety

• University Of Maine Cooperative Extension
  https://extension.umaine.edu/agriculture/farm-safety/

• Migrant Health Centers

• State Departments of Labor Onsite Consultation Services

• OSHA Compliance Assistance Specialists
National FARMEDIC Training Program

www.farmedic.com
PAGricultural Rescue Training

www.farmemergencies.psu.edu
Thank you!

Please contact us for any information about our services:
Phone: (800) 343-7527

www.nycamh.com