

## 2017 Farm Tractor Safety Course

**Course Manual:** Participants will use a tractor safety manual published by Pennsylvania State University.

**Sponsored by:** University of Maine Cooperative Extension; Hall Implement, Windham; Wescott & Sons, Gorham; Chad Little Outdoor Power, Brunswick; Beaugard Equipment Inc., Scarborough; Tractor Supply Company, Scarborough; Hammond Tractor Co., Auburn; and the Maine Farm Bureau (Cumberland County Chapter).

**Location for Most Sessions:** Maine Forest Service, Route 26 (Shaker Road) in Gray  
Hall Implement, Rotary of Rt. 302 and 202 in Windham

**Time:** 6:00 to 8:00 p.m. Tuesday evenings

**Instructor:** Jason Lilley, Extension Educator  
University of Maine Cooperative Extension  
75 Clearwater Drive  
Falmouth, ME 04105  
(207)781-6099 or Jason.lilley@maine.edu

**Cost/student:** \$15 for Youth 18 and Under  
\$25 for Adults (scholarships available)

### Course Schedule

- Session #1 6:00 - 8:00 PM, Tuesday, May 2, 2015 - Maine Forest Service, Route 26, in Gray**  
Registration and introduction to the course  
Course expectations  
Requirements of the course
- All assignments must be completed and submitted
  - Ten hours of practice driving - An adult must sign off for driving hours logged
  - Successfully pass the final written exam
  - Successfully complete the tractor hook up and driving exams
- The farm work environment  
-General farm safety and preparedness

**Read the following task sheets before Session 2:**

- 1.1 The Work Environment
- 1.2 Safety & Health Regulations
  - 1.2.1 Hazardous Occupations Order in Agriculture
- 2.1 Injuries Involving Youth
- 2.4 Age-Appropriate Tasks
- 2.7 Personal Dress
- 2.8 Hazard Warning Signs
- 2.9 Hand Signals
- 2.10 Personal Protective Equipment
- 2.11 First Aid and Rescue
- 4.1 Agricultural Tractors
- 4.2 Tractor Hazards
- 4.3 NAGCAT Tractor Operation Chart
- 5.1 Connecting Implements to the Tractor

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**Session #2**      **6:00 - 8:00 PM, Tuesday, May 9, 2015** - Meet at Hall Implement in Windham (Foster's Corner near the rotary of Routes 302 / 202)

- Review of homework
- Safety check of farm equipment exercise (Pre-Operational Check)
- Tractor controls and parts identification exercise

**Read the following task sheets before Session 2:**

- 4.4 Tractor Instrument Panel
- 4.5 Tractor Controls
  - 4.5.1 Engine Stop Controls
  - 4.5.2 Ground Motion Controls
  - 4.5.3 Power Engagement Controls
  - 4.5.4 Position and Adjusting Controls
  - 4.5.5 Location and Movement of Tractor Controls
  - 4.5.6 Tractor Operation Symbols
- 4.6 Preventative Maintenance and Pre-operational Check
  - 4.6.1 Fuel, Oil and Coolant Levels

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**Session #3**      **6:00 - 8:30 PM, Tuesday, May 16, 2015** – Maine Forest Service Building, Gray

- Review of homework
- Guest Speakers (EMT)
- Working with livestock and around hazardous environments
- Reading pesticide labels
- Discussion on safe operation of the tractor

**Read the following task sheets before Session 3:**

- 3.1 Mechanic Hazards
  - 3.4 Working with Livestock
  - 3.5 Agricultural Pesticides
  - 3.6 Electrical Hazards
  - 3.8 Confined Spaces
  - 3.9 Silos
  - 3.10 Grain Bins
  - 3.11 Manure Storage
  - 3.12 Anhydrous Ammonia
  - 3.13 Farmstead Chemicals
  - 4.7 Starting and Stopping Diesel and Gasoline Tractors
  - 4.8 Mounting and Starting the Tractor
  - 4.9 Stopping and Dismounting the Tractor
  - 4.10 Moving and Steering the Tractor
  - 4.11 Operating the Tractor in Reverse
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**Session #4**      **6:00 - 8:30 PM, Tuesday, May 23, 2015** – Meet at Hall Implement in Windham (Foster's Corner near the rotary of Routes 302 / 202)  
Practice Driving and Review for final exam

- Review of homework
- Practice driving and review stations

**Read the following task sheets before Session 4:**

- 4.12 Tractor Stability
  - 4.13 Using the Tractor Safely
  - 4.14 Operating the Tractor on Public Roads
  - 4.14.1 Lighting and Marking
  - 5.1 Connecting Implements to the Tractor
  - 5.2 Using Drawbar Implements
  - 5.3 Using Three-Point Hitch Implements
  - 5.4 Making Power Take Off (PTO) Connections
  - 5.4.1 Using Power Take Off (PTO) Implements
  - 5.5 Using Implements with Hydraulic Components
  - 5.6 Using Implements with Electrical Components
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**Session #5**      **5:00 - 8:30 PM, Tuesday, May 30, 2015** - Driving Test and Written Final Exam  
Meet at Hall Implement in Windham (Foster's Corner near the rotary of Routes 302 / 202)