

National Interagency Fire Center, Northern Rockies Coordinating Group, SW MT Wildland Fire Training Center, and the University of Montana Lubrecht Experimental Forest present:

## Heavy Equipment Boss & Live In-Woods Workshop

### Inter-Disciplinary Curriculum to Include:

- Advanced forestry equipment inspection, maintenance, and demonstrations
- Fireline construction and rehabilitation capabilities of heavy equipment
- Hosted presentations from the manufacturers themselves
- Augmented S-232 (Dozer Boss) and S-233 (Tractor Plow Boss) curricula
- Requirements for Heavy Equipment Boss (2011-Replacing DOZB and TRPB)  
*(To receive credit for S-232/S-233 courses, nominees must be FFT1)*

**We're Back On!**



**Session One:** October 3-7, 2011

**Session Two:** October 10-14, 2011

**\*\*\*October 10 is Columbus Day, a federal holiday**

**Location:** University of Montana's Lubrecht Experimental Forest  
Highway 200 West, mile-marker 22.5  
Greenough, Montana

**Cancellation Deadline:** Session One: Thursday, September 1, 2011  
Session Two: Thursday, September 8, 2011

**Estimated Tuition:** \$685 (includes **on-site lodging and all meals** Mon-Fri)

Discounted Rate (locals) \$350 (includes **lunches only** Mon-Fri, **no lodging**)

**Lodging:** Lubrecht Experimental Forest is a remote site.  
Workshop participants will be assigned rooms on-site.

**Special Note:** Please look carefully at the session times on the agenda.  
We will be running well into the evening most days.  
**Even locals are encouraged to lodge on-site.**

**Live Demonstrations:**

- Over a dozen common forestry machine types will demonstrate:
  - Fireline, Fuel Break, and Safety Zone Construction
  - Hazard Tree Removal
  - Fireline Rehabilitation
  - Night Operations

**Target Audience:**

- Incident Management Team members
- Timber and Engineering Staff that take fire assignments
- Those seeking qualification as Heavy Equipment Boss
- Incident Operations personnel
  - Type-3 Incident Commanders
  - Operations Section Chiefs
  - Division/Group Supervisors
  - Task Force Leaders
  - Strike Team Leaders
- Incident support personnel
  - Line Officers
  - Resource Advisors
  - Prescribed Fire Managers
  - Fuels Specialists
  - Dispatch Personnel
  - Equipment Inspectors

Sponsored in Partnership

SW Montana  
Wildland Fire Training



Promoting -  
the Right Training  
for the Right Student  
at the Right Time

# Heavy Equipment Boss

&

# Live In-Woods Workshop

# Lubrecht Experimental Forest

Time	Agenda Topic	Instructor
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Monday (October 3<sup>rd</sup> and 10<sup>th</sup>)

1200-1300	"Welcoming" Lunch	Lubrecht Staff
1300	<b>Classroom Instruction</b>	Obie O'Brien Kevin Erickson
	<ul style="list-style-type: none"> <li>• HEQB Unit 0                             <ul style="list-style-type: none"> <li>○ Introductions and Objectives</li> <li>○ Incident Commander's Expectations</li> <li>○ Workshop Safety</li> </ul> </li> </ul>	Chris Johnson Gregg Poncin Jim Harrington
1400	<ul style="list-style-type: none"> <li>• HEQB Unit 1                             <ul style="list-style-type: none"> <li>○ Heavy Equipment Boss Responsibilities</li> <li>○ Operator Information/Interviews</li> <li>○ Incident Management Responsibilities</li> </ul> </li> </ul>	Scott Jones John Shotzberger
1600	<ul style="list-style-type: none"> <li>• HEQB Unit 2                             <ul style="list-style-type: none"> <li>○ Environmental Concerns</li> </ul> </li> </ul>	Lily Huskey Shane Hendrickson
1730-1830	*Mess Hall: Dinner	Lubrecht Staff
1900-2100	<b>Classroom Instruction</b>	
1900	<ul style="list-style-type: none"> <li>• HEQB Unit 3                             <ul style="list-style-type: none"> <li>○ Capabilities of Heavy Equipment</li> </ul> </li> </ul>	Obie O'Brien
2000	<ul style="list-style-type: none"> <li>• HEQB Unit 4                             <ul style="list-style-type: none"> <li>○ Pre-Use Inspections Tutorial</li> </ul> </li> </ul>	Kevin Erickson

Tuesday (October 4<sup>th</sup> and 11<sup>th</sup>)

0630-0730	*Mess Hall: Breakfast	Lubrecht Staff
0800-1200	Lubrecht Forest Staging Area: Equipment Inspection	Kevin Erickson IDL Strike Team
	<ul style="list-style-type: none"> <li>• HEQB Unit 5                             <ul style="list-style-type: none"> <li>○ Equipment and Transport Types</li> <li>○ Loading and Unloading from Transports</li> </ul> </li> </ul>	
1200-1300	Lunch	Lubrecht Staff

1300-1330	Task Force Assignments	Chris Johnson
1330-1730	Lubrecht Forest Project Area: Individual Machine Demo <ul style="list-style-type: none"> <li>• HEQB Unit 6 <ul style="list-style-type: none"> <li>○ Digging, Mulching, Felling, Water-Handling</li> </ul> </li> </ul>	Obie O'Brien
1730-1830	*Mess Hall: Dinner	Lubrecht Staff
1900-2200	Optional Classroom Presentation <ul style="list-style-type: none"> <li>• CAT North American Company Representative</li> </ul>	CAT Representative

Wednesday (October 5<sup>th</sup> and 12<sup>th</sup>)

0630-0730	*Mess Hall: Breakfast	Lubrecht Staff
0800-1200	Lubrecht Forest Staging Area: Mechanized Equipment Task Force <ul style="list-style-type: none"> <li>• HEQB Unit 7a <ul style="list-style-type: none"> <li>○ Line Work</li> <li>○ Equipment Task Force Synergy</li> </ul> </li> </ul>	Obie O'Brien TFLDs
1230-1330	Lunch	Lubrecht Staff
1330-1700	Lubrecht Forest Project Area: Mechanized Equipment Task Force <ul style="list-style-type: none"> <li>• HEQB Unit 7b <ul style="list-style-type: none"> <li>○ Line Work</li> </ul> </li> </ul>	Obie O'Brien TFLDs
1730-1830	*Mess Hall: Dinner	Lubrecht Staff
1900-2300	Lubrecht Forest Project Area: Individual Machine Demo <ul style="list-style-type: none"> <li>• HEQB Unit 7c <ul style="list-style-type: none"> <li>○ Night Operations</li> </ul> </li> </ul>	Obie O'Brien

Thursday (October 6<sup>th</sup> and 13<sup>th</sup>)

0630-0730	*Mess Hall: Breakfast	Lubrecht Staff
0800-1200	Lubrecht Forest Project Area: Mechanized Equipment Task Force <ul style="list-style-type: none"> <li>• HEQB Unit 8 <ul style="list-style-type: none"> <li>○ Line Rehabilitation</li> </ul> </li> </ul>	Obie O'Brien
1200-1230	Lunch on the Road	Lubrecht Staff
1230-1700	Jocko Lakes Fire <ul style="list-style-type: none"> <li>• HEQB Unit 9 <ul style="list-style-type: none"> <li>○ Hosted Review of 2007 Fire</li> </ul> </li> </ul>	Liaison
1730-1830	*Mess Hall: Dinner	Lubrecht Staff
1900-2230	Optional Classroom: <ul style="list-style-type: none"> <li>• Regional Fire Tactics</li> <li>• John Deere Company Representative</li> </ul>	TFS, R8, R5, R6 John Deere Rep

Friday (October 7<sup>th</sup> and 14<sup>th</sup>)

0630-0730	*Mess Hall: Breakfast	Lubrecht Staff
0800-1300	Classroom Completion: Participant Skills Assessment <ul style="list-style-type: none"> <li>• HEQB Unit 10 <ul style="list-style-type: none"> <li>○ Simulated Fire Exercises</li> <li>○ Tactical Determination in Various Fuel Types</li> <li>○ Urban Interface Hazards</li> </ul> </li> </ul>	Chris Johnson  HEW Cadre
1300-1400	Lunch	Lubrecht Staff
1400-1600	Optional Classroom: <ul style="list-style-type: none"> <li>• Round-Robin Session Critique</li> <li>• Big-Iron Brainstorm “Do We Meet the Needs?”</li> </ul>	Chris Johnson (facilitator)

To: Heavy Equipment Boss & Live In-Woods Workshops Participants  
From: Obie O'Brien, Inter-Regional Logging Engineer ([saobrien@fs.fed.us](mailto:saobrien@fs.fed.us))  
Re: Equipment list for workshop sessions

**13 pieces of equipment** are being contracted for work during the Tuesday-Thursday field portion of the 2 workshop session. They will operate as two mechanized taskforces on two separate divisions:

**\*FELLING AND MULCHING MACHINES (*Yellow Book*, pgs 33-38 and pg 45-49):**

- 1) A tracked swing excavator type steep-slope **feller-buncher** with a unique combination high speed rotary blade (commonly called a hot-saw) with tree felling teeth on the disc edge, and mulching/grinding teeth on the bottom for mulching smaller vegetation (Pg 38).
- 2) A tracked swing excavator type steep-slope **harvester** with a bar saw blade (Pg 37).
- 3) A tracked frame mounted horizontal drum mulcher (commonly called a **strip mulcher**). There will be 1-2 mid size (140-250 hp) and possibly a 400 hp model (pg 49).
- 4) A tracked swing steep-slope **boom mounted disc mulcher** ( pg 48)

**\*EARTH MOVING MACHINES (*Yellow Book*, pgs 24-29 and pgs 39-44):**

- 5) A type 1 (D7 hi-track) **Dozer** with rippers (pg.27)
- 6) A type 2 ( Kobelco 112 hp) **steep-slope excavator** with stabilizer blade (pg.42).
- 7) A motor patrol/**grader** (pg 100)

**\*TREE SKIDDING MACHINES (*Yellow Book*, pgs 24-32):**

- 8) Type 1 **wheel skidder/skidgine** w/ detachable 400 gal tank (pg. 31).
- 9) Type2 **tracked skidder/dozer** (D5) w/ swing boom grapple (pg 29)

**\*OFF-ROAD WATER CARRIERS (*Yellow Book*, pgs 24-32, 50-57)**

- 10) Type 1 3000 gal 8 wheel **super-skidgine** w/ aerial top loading hatch (pg 56)
- 11) Type 1 1500 gal **soft-track skidgine** w/ water cannon (pg 52)
- 12) Type 2 250 gal **pumper cat/dozer** (pg29)

**\*UNIQUE SPECIAL USE MACHINES (*Yellow Book* pg 62)**

- 13) **Soft track Amphibious Cargo & crew hauler/Emergency Evacuation vehicle** (pg 105)

The ***Yellow Book*** is the common name for the Mechanized Equipment for Fire and Fuels Operations 2009 W/ contractor's directory (ID,MT,OR,WA). Copies can be viewed and downloaded at the following sites:

National Wildfire Lessons Learned Center (LLC) in Tucson, AZ  
[http://www.wildfirelessons.net/documents/YellowBook\\_LowRes\\_Cover.pdf](http://www.wildfirelessons.net/documents/YellowBook_LowRes_Cover.pdf)

Smallwood Utilization Network  
[http://smallwoodnews.com/Docs/PDF/Supply/YellowBook\\_LowRes\\_NoCover.pdf](http://smallwoodnews.com/Docs/PDF/Supply/YellowBook_LowRes_NoCover.pdf)

Hardcopies and CD copies will be distributed at the workshops.