



Lesson 1: Goals & Objectives of this Lesson

- Safe Productivity.
- Introduction.
- Goals and Objectives.
- What is a professional?

Lesson 2: Components & Control Identification

- Goals and Objectives of this Lesson.
- Operator's Manual.
- Basic Machine Parts.
- ROPS and FOPS.
- Wear Characteristics for Major Components.
- Engine.
- Typical Time Components.
- Operator's Station.
- Tractor Control Functions.
- Seat Belt Safety.
- Braking System.
- Common Symbols.
- Steering Wheel Types.
- Hand Throttle Types.
- Light Switch.
- Operating Brakes.
- Key Switch.
- Turning Signal.
- Windshield Wiper.
- Selective Control Valves.
- Hydraulic Controls.
- Foot Throttle.
- Loader Controls.
- 3 Point Hitch.
- Transmission Controls.
- Power Take Off.
- Instrument Panel.
- Check Your Knowledge.

**Lesson 3: Safety & Warning Symbols**

- Goals and Objectives of this Lesson.
- Basics of Safety.
- Frequent Causes of Accidents.
- Safe Environment.
- Medication Warning.
- Personal Protective Equipment.
- Operator's Station Safety.
- Safety Warning Decals.
- Fire Prevention.
- Refueling Safety.
- Pinch Points and Moving Parts.
- No Riders.
- Hand Signals.
- Operator Fatigue.
- Responsibility.
- Check Your Knowledge.

Lesson 4: Pre-Start Procedures

- Goals and Objectives of this Lesson.
- Pre-Start Procedures.
- Owner's Manual.
- Safety Warning Decals.
- Interior Inspection.
- Hydraulic Warning.
- Exterior Inspection.
- Engine Compartment.
- Seat and Seat Belts.
- Board Checks.
- Checks.
- Lockout / Tag-Out.
- Proper Mount / Dismount.
- Rollover Fatality.
- Battery Safety.
- Check Your Knowledge.

Lesson 5: Starting Procedures

- Goals and Objectives of this Lesson.
- Machine Start-Up.
- Master Switch.
- Checks.
- Starting the Engine in Warm Weather.
- Starting the Engine in Cold Weather.
- Jump Starting.
- Final Start-Up Safety Reminders.
- Check Your Knowledge.



Lesson 6: After Starting Checks

- Goals and Objectives of this Lesson.
- After Starting Checks.
- After Warm-Up.
- Check Your Knowledge.

Lesson 7: Operations & Safety

- Goals and Objectives of this Lesson.
- Planning Ahead.
- Principles of Safe Operation.
- Owner's Manual.
- General Precautions.
- Rooding the Machine.
- Traveling on Public Roads.
- Rules of the Road.
- Adverse Weather Conditions.
- Backing Up.
- Front Visibility.
- No Riders!
- Working in Congested Areas.
- Equipment Uses.
- Overhead Utilities.
- Underground Utilities.
- Towing.
- Master Switch.
- Tips to Live By.
- Check Your Knowledge.

Lesson 8: Machine Shutdown

- Goals and Objectives of this Lesson.
- Parking.
- Proper Shutdown.
- Preventing Vandalism.
- Check Your Knowledge.

Lesson 9: Advantages & Limitations

- Goals and Objectives of this Lesson.
- Knowing Your Machine.
- Operator's Manual.
- Ag Tractor Versatility.
- Ag Tractor Limitations.
- Dos and Don'ts.
- Capacities and Limitations.
- Check Your Knowledge.



Lesson 10: Attachments

- Goals and Objectives of this Lesson.
- Attachments.
- Primary Attachments.
- Attachment Applications.
- Power Take-Off.
- Typical Attachments.
- Check Your Knowledge.

Lesson 11: Load Securement & Tie-Down

- Goals and Objectives of this Lesson.
- Transporting on a Trailer.
- Working Load Limit.
- Ratchet Binders.
- Check Your Knowledge.

Lesson 12: Preventive Maintenance

- Goals and Objectives of this Lesson.
- Instruction to Preventive Maintenance.
- Benefits of a Good Program.
- Setting Up the Program.
- Keeping Records.
- Component Failure Modes and Warning Signs.
- Engine Failure.
- Lubrication.
- Transmission.
- Final Drives.
- Spot Check.
- Pre-Service.
- Equipment Inspection Form.
- Check Your Knowledge.