ForestSight™

TimberSkills™ and forestry simulators

JOHN DEERE

High productivity
FROM THE CLASSROOM TO THE FOREST

- Unique TimberSkills™ learning environment
- TimberMatic™ Harvester and Forwarder simulator, Operation simulators
- New laptop simulator
- New TimberRite™ simulator

Learning by doing – in a safe environment

New E-Series John Deere simulators have all the same features as a real forest machine. Within the TimberSkills™ learning environment operators can practice every stage of the harvesting process – from planning a stand to stacking cut timber at the roadside – all in a classroom setting. The configurations allow several different machines to be run at the same stand – and even at the same time – by multiple trainees. E-Series simulators and TimberSkills provide the right solutions for every training requirement.

TimberSkills™ learning environment

TimberMatic™ Harvester and Forwarder simulator and Operation simulators

New laptop and TimberRite™ simulators

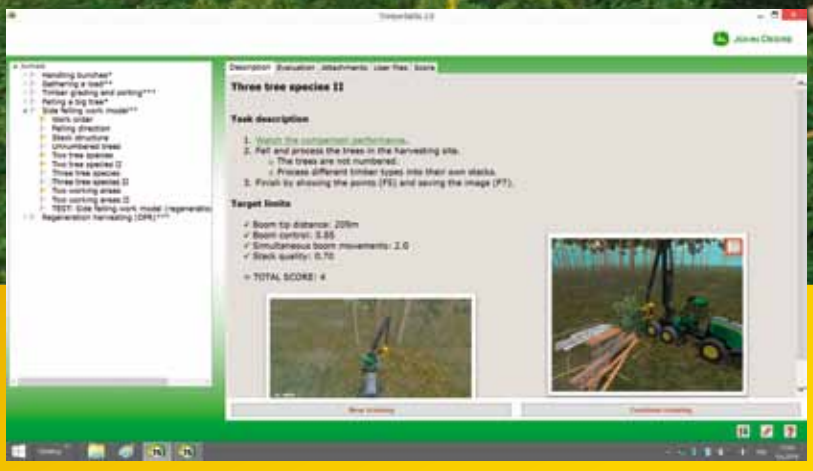
TimberMatic™ PC simulator, Terrain Editor, Score Editor and specifications

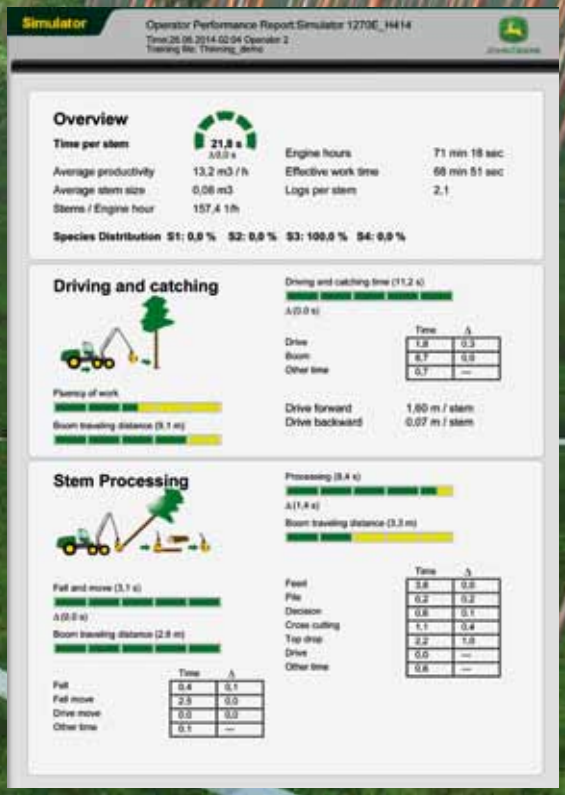
John Deere exclusive: **TIMBERSKILLS LEARNING ENVIRONMENT**

The TimberSkills learning environment provides tools for tracking student performance and progressing through simulator training including complete exercises, self-evaluations and teacher feedback.

The Operator Performance Report is an excellent tool for supporting student progress in the TimberSkills learning environment. This report provides feedback on the use of the forest machine similar to that generated by TimberLink™. Student performance is evaluated on a scale of 1 to 5 in comparison to the simulator's reference performances.

TimberSkills provides tools to control and maintain the training tasks of the simulator's learning environment, including assignments, self-evaluations and teacher comments. Training exercises are updated and can be synchronized to both teacher and student applications.





TimberSkills features

- Available on John Deere E-Series simulators
- Includes over 200 different exercises
- Enables training in both harvester and forwarder operation
- Provides immediate feedback after exercises are completed
- Generates a TimberLink-equivalent Operator Performance Report

TimberSkills benefits

- Sets training targets and schedules for each operator
- Accommodates training group sizes from one to 100
- Adaptable for distance-learning customizations
- Easy creation of individual exercises
- Leads to systematic working methods and better performance
- Increases work quality and productivity
- Enables lifetime-learning processes

TimberMatic™ Harvester and Forwarder simulator: **AS REAL AS IT GETS**

The John Deere E-Series harvester/ forwarder simulator is an excellent tool for establishing the best working methods in a virtual environment before operating real equipment in an actual forest. The simulator is equipped with the TimberMatic™ H-12 harvester control system, FlexController™ control modules, and TimberLink™ – all exactly as in a Deere E-Series forestry machine. Even the keypads and the seat are the same.

Training with the Deere harvester and forwarder simulator helps master how to adjust the setup for the base machine and the harvester head, and how to use the measuring system in order to get the most out of a real machine on an actual logging site.

The TimberLink software in all John Deere E-Series forest machines enables contractors, operators, and maintenance staff to optimize productivity and machine uptime and minimize fuel expenses plus other daily operating costs. TimberLink is a standard feature in the E-Series simulator.

TimberMatic harvester and forwarder simulator features

- Harvester and forwarder simulation
- Harvester control system TimberMatic H-12 with multimedia help manual
- FlexController control modules, harvester keypads and seat
- TimberSkills
- TimberLink
- Terrain Editor and Score Editor

Operation simulators: **INCREASE PRODUCTIVITY THROUGH BETTER PERFORMANCE**

John Deere E-Series operation simulators are efficient tools for teaching effective working methods and machine operations without a measuring and control system. Practice every stage of the harvesting process – from planning a stand to stacking cut timber at a roadside – virtually.

Simply switch between harvester and forwarder operation from the simulator display. Numerous machines can be used simultaneously at one stand by connecting several simulators to the same exercise. Training with a complete machine chain at the same stand gives a realistic picture of on-site logging conditions and situations.

Operation simulator features

- Harvester and/or forwarder simulation
- Harvester keypads and seat
- TimberSkills
- Terrain Editor and Score Editor

Operation simulator models

- Harvester and forwarder
- Forwarder
- Laptop simulator

E-Series laptop simulator: YOUR PORTABLE LEARNING CENTER

The John Deere E-Series harvester and forwarder operation simulator is available in a portable version for laptop computers. The laptop simulator includes E-Series harvester keypads and controls as well as an installation kit, power supply, and transport case.

The PC simulator program can be installed on the laptop simulator for practice with the TimberMatic H-12 control system; however, the exercises and adjustments made in the PC simulator environment do not affect the forest machine settings on the laptop simulator. Tree trunks are cut to preset lengths in the laptop simulator's harvester program.

Practicing machine operation and working methods on a realistic and easy-to-use simulator enables a smooth transition to operating real forest machines.

Laptop simulator features

- For harvester and forwarder operation training
- Contains the same software and exercises as other training simulators, e.g. TimberSkills
- Easy to transfer and quick to install in any classroom
- Cost-effective, comprehensive training

*The set does not include a laptop computer; we recommend this be purchased locally to ensure the keypad and language are correct.

TimberRite: A NEW TRACKED HARVESTER SIMULATOR

The new John Deere TimberRite is a tracked harvester simulator for operator training. Both harvester operation and the TimberRite 30Lite measuring and control system can be practiced on the same simulator.

The new simulator makes tracked machine harvesting training more simple, effective, and easier for the operator to start working with the real machine. In addition to basic tracked harvester operation training, the TimberRite allows you to connect to other TimberRite and E-Series simulators to operate on the same site simultaneously.

TimberRite simulator features

- Tracked harvester simulation
- TimberRite 30Lite measuring and control system
- SureGrip™ or Danfoss joystick and HHM
- TimberSkills
- Programs and equipment include Score Editor, Terrain Editor and Operator Performance Report

TimberMatic PC simulator:

DO TRAINING AT HOME OR IN THE OFFICE

With the PC simulator, training on control-system functions can be done at home or in the office or classroom, giving operators a head start for working in a real harvester on an actual forest site.

The PC simulator program has the same features as the TimberMatic™ H-12 harvester control system. Using the PC simulator, you can practice control-system functions, such as calibration, stand-control routines, and storing yield data — off-site or even at home.

The PC simulator can be installed on computers at an office or forestry school, or even on an operation simulator. However, adjustments made on the PC simulator do not transfer to the forestry machine working on an operation simulator.

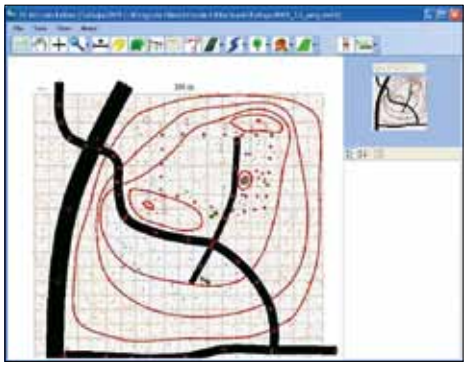
Terrain Editor:

MODEL YOUR OWN WORKING CONDITIONS AND EXERCISES!

Terrains and stands on which to train are easy to create with the John Deere Terrain Editor program. Types of trees (different species, straight, curved, or decaying), rocks, types of terrain, driving tracks, etc. can be added later. Exercises are compatible with all John Deere E-Series simulators.

TimberMatic PC simulator features

- TimberMatic H-12 harvester control system with multimedia help manual
- Easy installation on any office PC



Score Editor:

EFFECTIVE LEARNING BY SCORING

Simulator exercises can be scored. The simulator monitors various aspects related to the work carried out by a machine. Within these categories, assessment criteria are then chosen in the Score Editor program. And the same exercise can be repeated several times, meaning that trainees can polish their skills and increase overall productivity.

Technical information

Forestry machine simulators

	TIMBERMATIC HARVESTER AND FORWARDER SIMULATOR	OPERATION SIMULATOR, HARVESTER AND FORWARDER	OPERATION SIMULATOR, FORWARDER	LAPTOP SIMULATOR, HARVESTER AND FORWARDER	TIMBERRITE SIMULATOR	TIMBERMATIC PC SIMULATOR
OPERATING DIMENSIONS						
Length x width (cm) Height (cm) Weight (kg)	180 x 133 180 240	185 x 80 140 155	185 x 80 140 155	180 x 80 140 35	180 x 133 180 245	
TRANSPORT DIMENSIONS						
Length x width (cm) Height (cm) Operating voltage	180 x 72 130 230 V AC, 50Hz / 115 V AC, 60Hz	185 x 80 115 230 V AC, 50Hz / 115 V AC, 60Hz	185 x 80 115 230 V AC, 50Hz / 115 V AC, 60Hz	80 x 60 50 230 V AC, 50Hz / 115 V AC, 60Hz	180 x 72 130 230 V AC, 50Hz / 115 V AC, 60Hz	
SIMULATION						
Harvester	●	●		●		
Forwarder	●	●	●	●		
Tracked machine					●	
Simultaneous use of simulators	●	●	●	●		
PROGRAMS AND EQUIPMENT						
TimberSkills	●	●	●	●	●	
Measuring and control system	●				●	
TimberMatic H-12 and FlexController modules	●					●
Hand panels for E-Series machines	●	●	●	●		
TimberRite and HHM module					●	
SureGrip Joysticks					●	
TimberLink	●					
Score Editor	●	●	●	●	●	
Terrain Editor	●	●	●	●	●	
SIMULATOR LANGUAGE SETTINGS						
Czech	●	●	●	●	●	●
English	●	●	●	●	●	●
Finnish	●	●	●	●		●
French	●	●	●	●	●	●
German	●	●	●	●	●	●
Portuguese	●	●	●	●		●
Russian	●	●	●	●		●
Spanish	●	●	●	●		●
Swedish	●	●	●	●		●
OPTIONAL EQUIPMENT						
Display	●	●	●		●	
Measuring calipers	●				●	
Trainer's display	●	●	●	●	●	

*) Dimensions given are nominal and may vary depending on optional equipment.

The leading provider of advanced harvesting solutions and services

Our ambition is to offer innovative solutions to make your work more productive, efficient, and easy. We are dedicated to being a long-term partner for our customers. Our wide distribution network offers professional support and services to customers worldwide.

Nothing Runs Like a Deere™

JOHN DEERE

Printed in Finland, Offset Ulonen 08-2014

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