



JOHN DEERE



G-Series John Deere

SIMULATORS & SOFTWARE

IBC

LEARN THE HARVESTING PROCESS – in a safe environment!

New G-Series John Deere simulators have all the same features as a real forest machine. G-Series simulators and TimberSkills™ learning environment enable operators to practice every stage of the harvesting process – all in a classroom!



TIMBERMATIC™-SIMULATOR

Simulator with forest machine control system: The John Deere G-Series simulator with TimberMatic™ - or TimberRite™-control system is an excellent tool for establishing the best working methods in a virtual environment before operating real equipment.

- For harvester controls system and operation training
- Designed for service staff and operator training 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
- In Europe only available for research and development purposes due to EU-directive 2011/65/EU and local regulations

TIMBERSKILLS-SIMULATOR

Operation simulator without measuring and control system is an efficient tool for teaching effective working methods and machine operations.

- Every stage of the harvesting process can be practiced virtually, from planning a stand to stacking cut timber at a roadside
- For harvester and forwarder operation training
- TimberSkills is especially designed for operation simulator use
- Laptop simulator is easy to transfer and quick to install in any classroom
- Laptop simulator enables cost-effective and comprehensive training

TIMBERMATIC™ - OR TIMBERRITE™-DEMO-SOFTWARE

TimberMatic™ - or TimberRite™ - control system PC simulator enables training of the control system at home, in the office or classroom.

- For practicing control-system functions, such as calibration, stand-control routines and storing worksite data





TIMBERSKILLS-LEARNING ENVIRONMENT

Tools for tracking student performance and progressing through simulator training including complete exercises, self-evaluations and teacher feedback.

- Includes over 200 different exercises
- Enables training in both harvester and forwarder operation
- Provides immediate feedback after exercises are completed
- Generates an Operator Performance Report
- Unique training solution only from John Deere

TERRAIN EDITOR

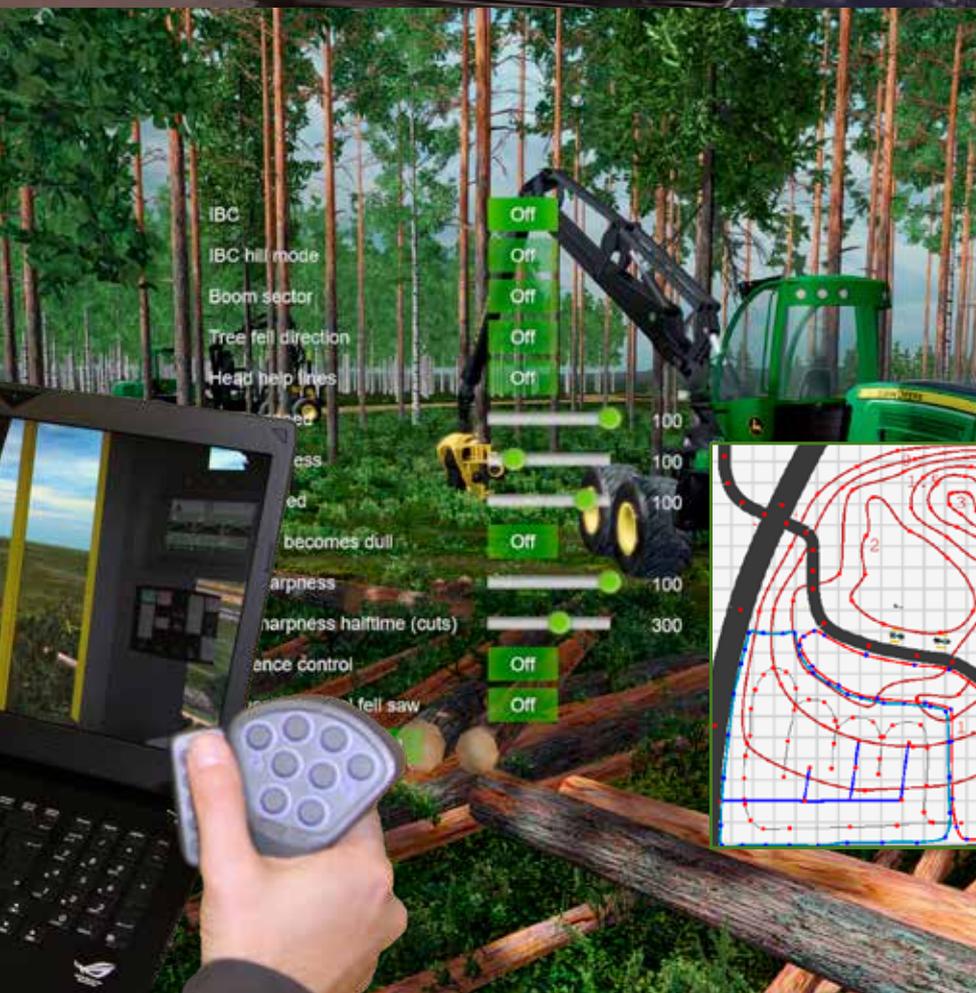
Terrain Editor software enables easy creation of different terrains and worksites for simulator training.

- Types of trees (different species, straight, curved, rotten), terrain, rocks, driving tracks etc. can be added later
- Exercises are compatible with all John Deere G-Series simulators

SCORE EDITOR

Simulator exercises can be scored. The simulator monitors various aspects related to the work carried out by a machine.

- Same exercise can be repeated several times for increasing trainee's skills and productivity



Order	Name	Active	Score values
10	Total time (min)	<input type="checkbox"/>	0
11	Harvest time (min)	<input type="checkbox"/>	0
12	Fixed time (min)	<input type="checkbox"/>	0
40	Process time (min)	<input type="checkbox"/>	0
41	Back time (min)	<input type="checkbox"/>	0
42	Down time (min)	<input type="checkbox"/>	0
11	Average utilization (%)	<input type="checkbox"/>	0.253 380%
00	Down up distance (m)	<input type="checkbox"/>	160 000 000 200 000 1 000 000
13	Down up distance (min) (m)	<input type="checkbox"/>	0
95	Down control (0-1)	<input type="checkbox"/>	0.746 8 1488%
700	Working location	<input type="checkbox"/>	0
110	Drive forward (m)	<input type="checkbox"/>	0
120	Drive backward (m)	<input type="checkbox"/>	0
130	Drive backward (m)	<input type="checkbox"/>	0
140	Drive backward (m)	<input type="checkbox"/>	0
150	Down control (0-1)	<input type="checkbox"/>	13 7488%
160	Down control (0-1)	<input type="checkbox"/>	0
170	Log control (0-1)	<input type="checkbox"/>	0
180	Log control (0-1)	<input type="checkbox"/>	0
190	Down control (0-1)	<input type="checkbox"/>	0
200	Down control (0-1)	<input type="checkbox"/>	0

TECHNICAL SPECIFICATION

FORESTRY CTL MACHINE SIMULATORS



TIMBERMATIC™ - SIMULATOR
(Harvester and forwarder simulator with TimberMatic™ - control system)



TIMBERSKILLS-SIMULATOR, WCTL
(Harvester and forwarder operation simulator)



TIMBERSKILLS-PC-SIMULATOR, WCTL
(Harvester and forwarder operation simulator for PC)



TIMBERRITE™ - SIMULATOR
(Tracked harvester simulator with TimberRite™ - control system)



TIMBERSKILLS-PC-SIMULATOR, tracked harvester
(Tracked harvester operation simulator for PC)



TIMBERMATIC™ - OR TIMBERRITE™ - DEMO SOFTWARE
(TimberMatic™ - or TimberRite™ -control system for PC)

OPERATING DIMENSIONS

Length x width (cm)	201 x 80	201 x 80	180 x 80	201 x 80	180 x 80
Height (cm, without display)	130	130	140	130	140
Weight (kg)	225	215	35	225	35
Operating voltage	230 V AC, 50Hz / 115 V AC, 60Hz	230 V AC, 50Hz / 115 V AC, 60Hz	230 V AC, 50Hz / 115 V AC, 60Hz	230 V AC, 50Hz / 115 V AC, 60Hz	230 V AC, 50Hz / 115 V AC, 60Hz

SIMULATION

Harvester	●	●	●		
Forwarder	●	●	●		
Tracked machine				●	●
Simultaneous use of simulators	●	●	●	●	●

PROGRAMS AND EQUIPMENT

Measuring and control system	●			●	●
TimberMatic H and controllers	●				
Hand panels for G-Series machines	●	●	●		
TimberRite and controllers				●	
Hand panels with TimberRite Joysticks				●	●
TimberMatic Analytics	●				
Score Editor	●	●	●	●	●
Terrain Editor	●	●	●	●	●

SIMULATOR LANGUAGE SETTINGS

Same as TimberMatic / TimberRite control system languages	●	●	●	●	●
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OPTIONAL EQUIPMENT AND SOFTWARE

Display	●	●	Laptop to be purchased locally	●	Laptop to be purchased locally
Measuring calipers	●			●	
Teacher's display	●	●	●	●	●
TimberSkills		●	●		●
In Europe only available for research and development purposes due to EU-directive 2011/65/EU and local regulations	●			●	

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