

# KOMATSU<sup>®</sup>

## 895

### Biggest and strongest

Forestry Quality<sup>™</sup>

895


FORWARDERS



A reliable and productive partner



# 895



**The Komatsu 895** is designed to forward productively. Every component has been developed for a load capacity of 20 tonnes. No other forwarder matches this performance. It's as simple as that. Here are the most significant strengths:

## Engine

The Komatsu 895 has a powerful 6-cylinder engine with the latest green technology for diesel engines, Stage 4 Final. Emission control is based on SCR technology, which more than satisfies the strict requirements expected of the largest forwarder.

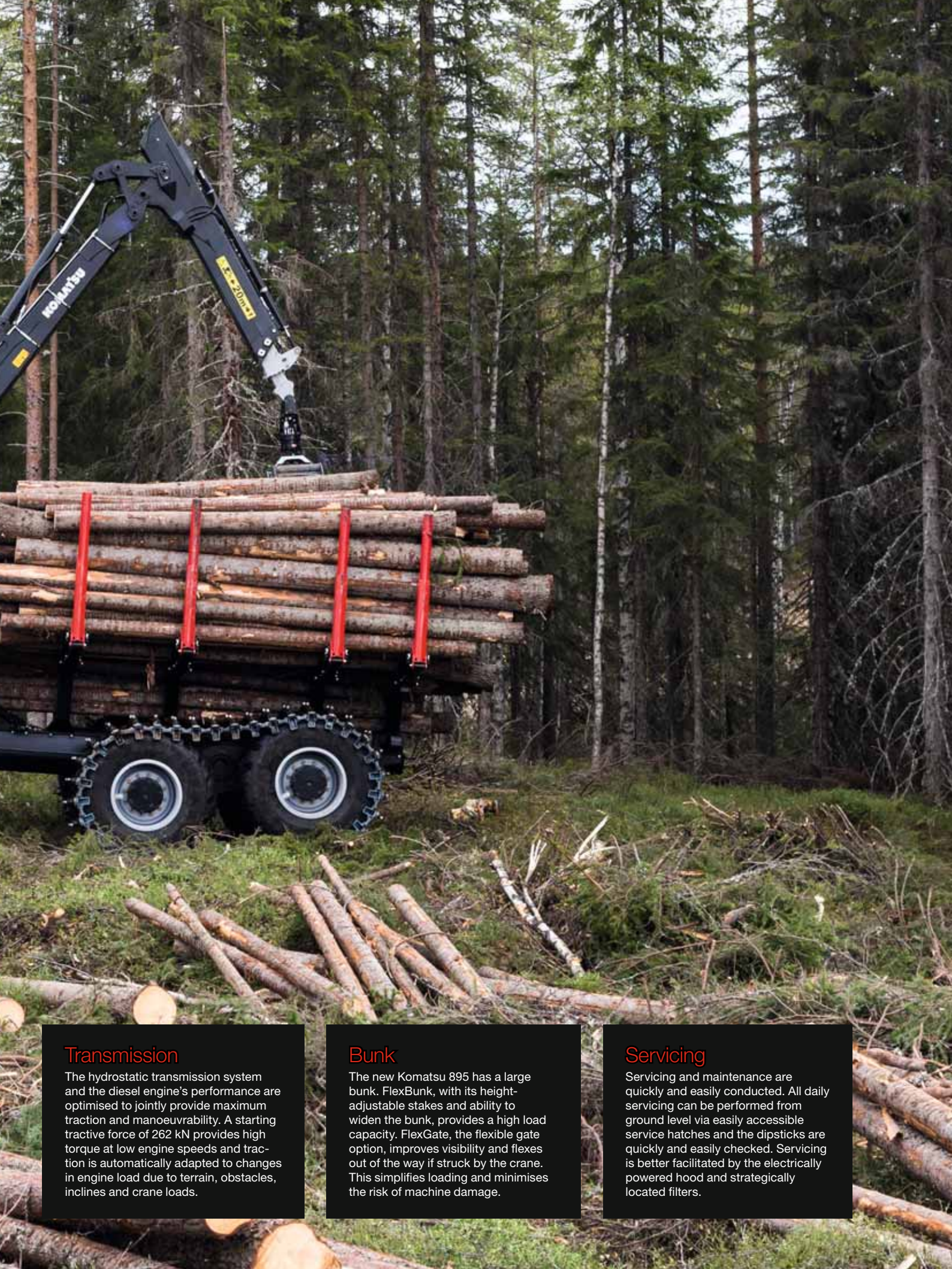
The engine is based on well-proven common rail technology with high fuel injection pressure and injection control that is both rapid and more precise, delivering high engine power, high torque, lower emissions and low fuel consumption.

## Operator environment

Wide, spacious cab with great headroom. There is plenty of legroom, large storage compartments and noise levels have never been quieter. Large glass surfaces mean good visibility upwards, downwards and to the sides, making crane operation easier and more relaxed. The ergonomically designed driver's seat offers exceptional comfort, enabling all-day productivity.

Naturally, Komatsu Comfort Ride cab suspension is available as an option.





## Transmission

The hydrostatic transmission system and the diesel engine's performance are optimised to jointly provide maximum traction and manoeuvrability. A starting tractive force of 262 kN provides high torque at low engine speeds and traction is automatically adapted to changes in engine load due to terrain, obstacles, inclines and crane loads.

## Bunk

The new Komatsu 895 has a large bunk. FlexBunk, with its height-adjustable stakes and ability to widen the bunk, provides a high load capacity. FlexGate, the flexible gate option, improves visibility and flexes out of the way if struck by the crane. This simplifies loading and minimises the risk of machine damage.

## Servicing

Servicing and maintenance are quickly and easily conducted. All daily servicing can be performed from ground level via easily accessible service hatches and the dipsticks are quickly and easily checked. Servicing is better facilitated by the electrically powered hood and strategically located filters.





## Environmental and fuel economy benefits

The powerful SCR engine both minimises emissions and optimises fuel economy.

# A GIANT THAT MAKES WORK EASIER



## Productive operator environment

The comfortable cab and the Komatsu Comfort Ride cab suspension provide a most spacious, high-performance and ergonomically correct operator environment with low noise levels.



## Powerful crane

Crane with high net lifting force. ProTec Scale, which is an optional extra, combines scale functionality in the crane tip with the ProTec concept of protected hose routing. Effective working hydraulics with a generously sized crane valve deliver a unique experience when it comes to crane operation.

The Komatsu 895 is a unique forwarder developed to withstand the trials of truly demanding forwarding. With a sturdy frame, robust cast articulated joint and a powerful engine that fulfils all environmental requirements, the stage is set for a truly productive working day. Another important reason behind the high productivity is the fact that the transmission system automatically adapts to loads, inclines and obstacles.

The hydrostatic transmission system and the diesel engine's performance are optimised to jointly provide maximum traction. Truly exceptional traction ena-



Quick and easy daily service from ground level via easily accessible service hatches.



Full utilisation of MaxiXplorer provides you with everything from more exact and efficient machine control to market-leading operational monitoring and production follow-up.





bles increased driving speeds, even in the most demanding terrain.

The crane is large and durable and offers high lifting and slewing torque. It has a reliable pillar and hose routing solution and a Combi outer boom with a long reach and protected hose routing. You can also choose to add a dependable crane scale. Naturally, ProTec is fitted as standard.

The large bunk enables the optional flexible gate, FlexGate, which flexes out

of the way if struck by the crane. This reduces the risk of damage and results in a gate with even better visibility. Another option is FlexBunk, with its hydraulic height-adjustable stakes.

The cab environment is of course also an important aspect of productivity. The Komatsu 895 has a cab that is spacious in all directions. The large windows offer fantastic visibility both upwards and to the sides, making crane operation easier. The seat is ergonomically designed and

specially developed for forest machine work.

Servicing and maintenance can also be conducted extremely quickly and easily. All daily servicing can be performed from ground level via easily accessible service hatches.

When it comes down to it, it's actually quite simple. No other forwarder matches this performance.

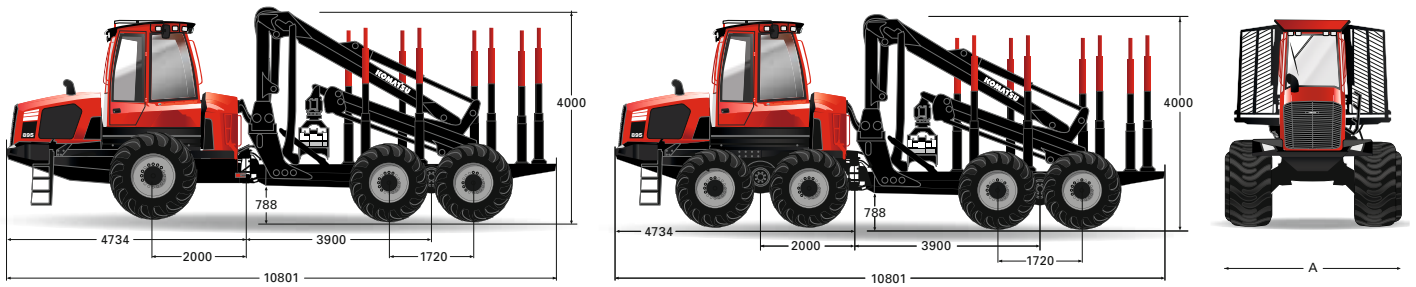
### Forestry Quality Economy



FlexBunk enables height and width adjustments of the impressively large bunk without leaving the cab.



# TECHNICAL SPECIFICATIONS



Machine dimensions with the shortest of the four rear frame alternatives.

## WHEEL EQUIPMENT ALTERNATIVES (FRONT AND REAR) AND MACHINE WIDTH (A)

	Tyre selection	Width (mm)
6 WD (front)	710/70x34	3,060
6 WD (rear)	780/50x28.5	3,160

	Tyre selection	Width (mm)
8 WD (front/rear)	780/50x28.5	3,160

NOTE: Stated dimensions are nominal and may vary slightly depending on production tolerances.

## WEIGHT

	6 WD	8 WD
Weight from:	20,500 kg	23,400 kg

## ENGINE

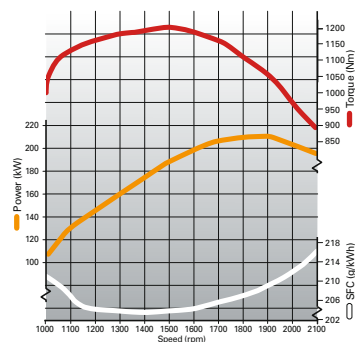
	AGCO Power 74 AWF, 6-cylinder diesel engine with turbo and intercooler. Fulfils the requirements of EU Stage IV and EPA Tier 4 Final.
Engine displacement:	7.4 l
Power, max.:	210 kW DIN at 1,900 rpm.
Torque:	1,200 Nm at 1,500 rpm.
Fuel tank:	210 l
DEF tank:	35 litres
Other:	Water separator. Fuel filter. Throttle, electrical via CAN. Thermostat-controlled fan (electric). Electrical refuelling.

## FRAME/AXLES

	Three rear frame alternatives. Frame with smooth V-shaped bottom made of high-strength steel. Sturdy balanced portal bogie. Dampening bogie stops. Towing points front and rear. Permanently lubricated bearings.
Ex. of other equipment:	Front blade. Stabiliser. Towing point, rear.

## HYDRAULIC SYSTEM

	Single-circuit load-sensing system with variable piston pump.
Flow:	0–360 l/min at 2,000 rpm.
Working pressure, max.:	24.5 MPa (245 bar)
Hydraulic oil tank:	150 l
Other:	Pressure filter for hydrostatic circuit. Dual return oil filters for hydrostatic and working hydraulics. Hydraulic oil level warning. Sight glass level check. Clogging indication for return oil filter. Visual alarm in cab.



## TRANSMISSION

	Computer-controlled, hydrostatic mechanical transmission. 6/8-wheel drive. Transfer case with 2 positions (high and low). Disengageable drive operation. Differential locks front and rear.
Driving speed:	0–7/20 km/h (off-road/road).
Tractive force:	262 kN

## BRAKE SYSTEM

	Fully hydraulic multi-disc brakes. Hydraulic accumulator charging valve.
Driving brakes/Working brake:	Multi-disc brakes in oil bath. Automatically engaged when working.
Parking brake:	Spring-action brake with electro-hydraulic control. Emergency brake.
Braking performance:	Conforms to ISO 11169 and VVFS 2003:17.

## CAB/ERGONOMICS

	Safety tested. Spacious and bright with very good visibility. Thermal and acoustic insulation.
Safety:	Conforms to ISO 8082-1 (ROPS), ISO 8083 (FOPS) and ISO 8084 (OPS). Alternative cab that also conforms to WCB OPS G603.
Seat:	Several alternative seat options. Ergonomically designed with headrest, armrests, joystick panels and waist safety belt. Depending on seat selection, different capabilities are available for individual adjustment of the seat cushion, backrest and lumbar support. Seat column with 0–180-degree working range.



Windows:	Polycarbonate in side windows and rear window. Alternative cab, with Polycarbonate in all windows.
Heating/ventilation:	Fully automatic heating and cooling unit, ACC. Filtered intake air.
Noise level:	In compliance with ISO standard
Vibrations:	In compliance with ISO standard
Other:	Windscreen wipers and washers on front and rear windows. Fire extinguisher, 2 kg (standard in EEA countries in compliance with EU Directive 2006/42/EC)
Ex. of other equipment:	Komatsu Comfort Ride (cab suspension). Blinds on all windows and/or sun blinds at the front. Radio with Bluetooth and hands-free support. Air-ventilated seat. Lunch box heater. Cooler box. Side wipers. Allergy filter 3 µ (µm). Extra floor mat for easier cleaning. Seat column that enables 220-degree working range and freely selectable locking position. Interior ceiling and floor lighting, and reading lamp on flexible arm.

## BUNK

Gross load:	6 WD/8 WD 20,000 kg
Bunk area:	5.2–7.2 m <sup>2</sup> depending on options and market.
Load bunks:	Mounted on runners, movable.
Load gate:	Komatsu FlexGate; hydraulic, flexible, full-height gate in fixed or hydraulically manoeuvrable configuration.
Ex. of other equipment:	Bunk widening, hydraulic height-adjustable stakes, coupled first load bunk with gate, separating supports, LoadFlex.

## CRANE AND GRAPPLE

Crane:	Komatsu 165F
Reach:	7.5/8.5/10 m
Lifting torque, gross:	165.2 kNm
Slewing torque, gross:	43.4 kNm
Rotator:	G121 ProTec 2
Grapple:	Komatsu G28
Crane tip:	ProTec (standard)
Ex. of other equipment:	165F Combi (combi crane with 10 m reach), Komatsu G36 HD, G40, G40 HD, E36, G141 ProTec 2, G171 ProTec 2, MPB brakes.

## STEERING

	Hydraulic articulated steering with two dual-acting hydraulic cylinders.
Lever steering:	Load-sensing (LS) proportional steering with steering rocker.
Steering wheel:	Load-sensing (LS) proportional servo.
Steering angle:	±42°

## ELECTRICAL SYSTEM

Voltage:	24 V
Battery capacity:	2 x 180 Ah
Alternator:	2 x 100 A

## WORKING LIGHTS

	Numerous working lights on cab/crane (LED/halogen). Articulated joint lighting (LED). Road lighting forward and rearward (halogen).
Ex. of other equipment:	Extra lighting forward, mounted on cab (LED). Extra lighting rearward, mounted on cab (LED). Extra lighting rearward, mounted on bunk (LED/halogen).

## MAXIEXPLORER CONTROL AND INFORMATION SYSTEM

- Fully integrated machine control system, CAN-based with head, crane, engine and transmission intelligence for optimum performance and fuel consumption
- Production follow-up system for forwarders. Registers timber deliveries (assortments) and roadside wood pile locations. Delivery selection using hand controller buttons.
- Optional ProTec Scale crane scale system. Automatic and highly accurate weighing. Compact scale link with hose routing through the link.
- Easy-to-use operator interface. High-performance PC with Windows operating system, SSD hard drive, touchscreen selection and data backup function. Antivirus software.
- Comfort Controls. Ergonomic joysticks of various types with extensive functionality.

## EXAMPLES OF OTHER EQUIPMENT

- Sprinkler system. Semi-automatic water-based fire extinguishing. Conforms to SBF 127.
- Hand-held fire extinguishers. 2 x 6 kg ABE-3. Dry powder fire extinguishers.
- Printed instruction manual (also electronic in Maxi). Printed spare parts catalogue (also electronic in Maxi).
- Diesel heater. 9.1 kW with timer. Hydraulic oil heater.
- Biodegradable hydraulic oil.
- Extra water separator (diesel).
- Tracks, chains.
- Tool box with tools (heated in engine compartment).
- Central lubrication.
- Reversing camera, rear (standard in EEA countries in compliance with EU Directive 2006/42/EC).
- Reversing camera, front.
- Vacuum pump.
- Wear guard and chain guard for bogie casings.
- Service ladder at hydraulic tank (standard in EEA countries in compliance with EU Directive 2006/42/EC).
- Front guard.
- Remote control for central locking (Europe only).

## NOTES

Standard and extra equipment are market-dependent and vary between countries. This product brochure describes functions that are in some cases optional. Check with your dealer as to what is standard or optional. Weights are based on the equipment specified in the basic specification. Specifications and designs are subject to alteration without prior notice.



## FORESTRY QUALITY

Modern forestry demands a holistic approach. With high productivity, low operating costs and innovative technology. With good ergonomics and a long-term approach to ecology. And with a responsive combination of service and customer care.

We summarise all of this as Forestry Quality – the quality required in the forest. This holistic approach permeates everything we do, and we have but a single focus: your working day. We strive to ensure that machine owners and operators always feel that their relationship with Komatsu Forest is characterised by closeness, knowledge and peace of mind. That we understand your situation and use all of our experience, expertise and capacity to fulfil your needs.

And yes, it is true that Komatsu Forest's technologically advanced harvesters, forwarders and heads continually push the envelope for what can be achieved with a modern forest machine. Equally true is that our integrated information systems and proactive service and support create new opportunities for long-term profitability.

However, at its core, Komatsu Forest's promise concerns the whole. And the combined advantages offered throughout the entire production chain and the machine's entire service life. Today and tomorrow.

That is Forestry Quality.