Redesigned for maximum efficiency and optimal performance, the John Deere 1850 Cane Loader rises to the challenge, increasing productivity with its high reach boom and a grab that is 35 percent larger than its predecessor.

These new features give you the benefits of a new design, plus the reliability one expects of a John Deere product.

### 1850 Specifications

**ENGINE**
John Deere 4045T, 105 HP (78Kw @ 2300 RPM).
Equipped with 3 stage air cleaning system.
Precleaner, primary filter and safety element.

**ALTERNATOR**
120 Amps, 12 Volts

**BATTERY**
Maintenance Free
925 Amp cold cranking power

**TRANSMISSION**
Hydrostatically driven 4 range drop transmission giving infinitely variable speed in all of the ranges with dynamic braking of hydrostatic drive.
Maximum speed of 18 MPH (29 KPH).

**EMERGENCY AND PARKING BRAKE**
Mechanical spring applied/hydraulic release wet disk brake mounted in front axle.

**HYDRAULICS — MACHINE TRAVEL**
Hydrostatic system with variable displacement pump and fixed displacement motor.

**HYDRAULICS — LOADING FUNCTIONS**
Double gear pump, making the functions swing, flex and pile independent from grab and tilt.

**AXLES**
Outboard planetary final drive — both axles. Rear Axle — Oscillating and Steering

**POWER STEERING**
Rear wheel, hydrostatic, priority oil supply.

**STANDARD EQUIPMENT**
12 volt direct electric starting; 23.1 x 26 size tires; Dual articulated boom arrangement, Push piler and four-post canopy.
Horn, backup alarm and work lights; Air Cleaner Service Indicator

**OPTIONAL EQUIPMENT**
Cab with Air Conditioning Engine oil and water warning system.
Safety and Signal Lights

**HYDRAULIC SYSTEM**
Priority Steering Valve for increased safety.
3rd Hydraulic Filter installed to improve filtration and increase hydraulic components life.
Improved grab hoses routing to avoid premature hose failures.
Adjustable Port Relief Valves on all directional control valves lines, for increased safety.
Elimination of swing external cushion relief valve. This function is built-in the new directional control valve.
Heavier Duty Swing Cylinders.

**MAINTENANCE**
Bushings and grease zerks installed on the grab assembly and the chain connector on the bell crank, to reduce maintenance.
All pins on the 1850 are chrome plated and hardened. Air precleaner is maintenance free.
Remote Grease lines for hard to reach boom articulations.

**MISSCENNEOUS**
Standard 23.1 X 26 Tires for increased stability and reduced ground pressure.
Adjustable Floating Shoe Piler for cleaner cane.
Fuel tank equipped with 3 level sight glasses.
SAE O-Ring fittings on hydraulic tank.

### Other Features

**BOOM**
Clearance under grab boom is 1125 mm (44 inches) higher.

35% Larger grab for faster loading. Faster loading means lower loading cost per ton.
The articulated boom enables the operator to put the grab inside the highway trailer for better loading and packing.
More cane in transport means lower transport cost.
Stronger construction Boom and Grab.
Grab new design with built-in hydraulic cylinders guards.

**ENGINE**
Lower fuel consumption engine.

**SAFETY**
Standard Four Post Canopy for increased operator safety and comfort.
Standard Backup alarm for increased safety.