



*Agricultural equipment
Food processing equipment*



2430 Multi-crop harvester



whatever it takes

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The next generation of the recognized world leading multi-crop harvester

Industrial strength articulated chassis design

The foundation of the 2430's capabilities lies in the time proven four wheel mechanical drive chassis. Constructed of massive heavy steel plate and box section beams with critical components sourced from industry leaders renowned for ruggedness and reliability, the 2430 chassis is designed to carry the load for the long haul.

Precise articulated steering for unmatched maneuverability

The articulated steering geometry of the 2430 has been designed so that rear wheels track identically with the front wheels. This feature results in smooth and responsive directional control, even in the most adverse and muddy field conditions.



Legendary traction and mud-conquering capabilities

The 2430 is equipped with full time 4-wheel drive, mechanical axles and transmission. Driven by an infinitely variable hydrostatic motor, matching harvesting speed to conditions and the crop results in maximum yield recovery and premium product quality.

Huge product dump box, rugged and durable lifting components

The product dump box on the 2430 has been completely redesigned and is modeled on the OXBO Dump Chief design. This design features 2 stage lift and dump operations that allow dump at any height. Complicated and maintenance prone bell-cranks, links and cables are eliminated. For extremely fragile and sensitive fresh market crops, the 2430 can be equipped with a live discharge belted dump box in order to precisely meter dumped product flow.



Transport economy and convenience

The 2430 harvester is designed to easily fit on a truck that can accommodate even restrictive transport regulations and road travel limitations. In most cases, the 2430 can be transported via trailer without need for expensive and restrictive permits.



Productive and efficient operator environment

The purpose designed operator's cab on the 2430 allows maximum visibility while keeping the operator in complete control. A key feature of the 2430 cab is that during harvesting operations, the operator can stand and change positions in order to reduce fatigue. A high back seat, tilt/telescopic steering column, air conditioning/filtration and sound system keep the operator isolated from dirt and noise.

Command and control at your fingertips

The Plus+1 microcontroller and monitoring system utilized by the 2430 allows the operator to closely monitor the performance of the harvester and each of its systems. Feedback loop electronic controls provide unmatched precision in adjustments to maximize productivity and efficiency. The convenient multi-function joystick puts critical controls at the operator's fingertips.

Large scale productivity in a compact package

The 2430 will make rapid work of efficiently harvesting large acreage, and its ability to move rapidly from one field to another keeps non-productive hours to the minimum. It can be equipped with bean heads up to 150" wide and corn heads up to 4 rows.

Optional specialized vegetable harvesting heads

The 2430 can also be equipped with the 4 row CP400 fresh market sweet corn harvester. This proven head delivers damage-free product, even with the most tender Super Sweet varieties. In addition, it retains the flag leaves on individual ears, resulting in presentation-grade product.



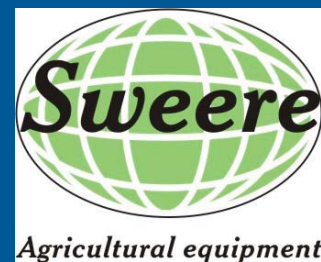
Further extend the multicrop harvesting capabilities of the 2430 by adding the SP150 cutting head for processed spinach and salad greens.

2430 SPECIFICATIONS

Engine	John Deere 6068HF turbocharged and intercooled diesel, in-line six cylinder, liquid cooled, 415 cu in (96.8L), 173 hp (129 kW)
Pump drives	Funk 3 pad, dual ratio, direct coupled to engine with steel flex plate
Drive train	Dana 2-speed transmission, Sauer 110cc motor, Sauer 90-100 pump w/integral charge filtration and electronic displacement control
Brakes	Driveline integrated disc service and spring applied/hydraulic released fail-safe parking brake
Hydraulic system	Sauer components are utilized predominately. System features include return circuit filtration, high capacity side by side cooler, O-ring face seal fittings
Electrical system	12 volt, 120 amp alternator, battery lockout switch, Sauer-Danfoss Plus+1 microcontrollers, sealed beam work and road lights, front & rear strobe lights
Cab	Purpose designed enclosure, accommodates stand-up operation, sound system, air ride seat, heat, A/C, filtration, sound suppression, tilt & telescopic steering column, dual side-mounted mirrors, AM/FM/CD. Automatic harvester shutdown cab door switch
Cleaning system	Hydraulically actuated fan discharge chutes & elevator raise/lower. Single motor drive 34" (86 cm) diameter cleaning fans with electronic speed control, replaceable uhmw blades, PID feedback loop control capability for fan and picking reel circuits, cleaning fan P-seals eliminated
Chassis	4-range hydrostatic drive, mechanical 4wd field/2wd road speeds, hydraulically actuated oscillation lock. Hydraulically actuated product elevator lift, ground level fuel fill access, Connex vertical articulation bearings, tapered steering cylinder pins
Monitor & display	DP600 color monitor, speed monitors and stall alarms for selected rotating functions
Product dump box	Dump at any height 2-stage direct lift and dump box modeled on Oxbo dump cart design: Eliminates bell crank, push rod and associated maintenance required.
Dump box volume	390 cu ft (11.04 cu m)
Dump box lifting capacity	10,000 lbs (4,545 kg)
Dump height to dump box lip	Variable from 8' 0" to 14' 1" (2.44 m to 4.29 m)(without extension)
Fuel tank capacity	169 gal (640 L)
Cooling system	8 gal (30 L)
Crankcase	5.0 gal (18.9 L)
Hydraulic reservoir	50 gal (190 L)
Height	12' 1" (3.68 m)
Length	26' 10" (8.18 m)(chassis only)
Width	8' 6" (2.59 m)(chassis only)
Track	6' 4" (1.93 m)
Wheelbase	11' 0" (3.35 m)
Weight	22,500 lb (10,206 kg)
Inside turn radius	10' 11" (3.33 m)
Dump angle	43 degrees
Dump reach	2' 8" (.81 m) (without extension)
Options	Live dump box floor, stalk ejectors

Harvesting Head Capabilities

Beans	Fresh Market Sweet Corn	Seed Corn & Processed Sweet Corn	Spinach & Greens
120" (3.05 m) or 150" (4.14 m) wide (VPC1200 or VPC1500)	4 row (CP400)	4 row max	150" (4.14 m) wide (SP150)



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