



Field Cultivator Has Better Residue Flow

MOLINE, Ill. — John Deere has announced its new 980 drawn field cultivator that has better residue flow, more convenient adjustments, and more narrow-frame sizes than the drawn model 960 that it replaces.

The new model 980 also has higher standard trip force, larger frame-tube sizes, a level-lift hitch, and optional electrohydraulic depth control.

The 980 is designed to handle the higher residue requirements of conservation-minded farmers while providing effective chemical incorporation and seedbed preparation.

For improved residue flow, fore-aft clearance is 123 inches, 34 inches greater than the 960. The 5-bar frame provides 30-inch spacing between the ranks and a minimum on-rank spacing of 18 inches on 4-1/2-inch standard spacing, 24 inches on 6-inch spacing, and 27 inches on 9-inch spacing. Underframe clearance has been increased to 24 inches for both C-shank and S-Tine standards to further promote residue flow through the machine.

The cross-section dimensions of both standards have been increased for greater strength. The C-shank standard's 135-pound trip force helps provide consistent sweep depth, level seedbeds, and thorough chemical incorporation in tough secondary tillage conditions.

The 3-bar coil-tine harrow attachment provides three inches of additional spacing between bars and 4-inch longer tines than the previous model. The new 15-inch bar spacing and 16-inch tines help residue flow easily through the harrow. A 3-inch effective tine spacing thoroughly incorporates chemicals and prepares a consistent seedbed.

When a rougher soil surface is desired, the harrow sections can be rotated out of the soil by removing two pins. Spike-tooth harrows and rolling baskets are also available for more aggressive soil finishing.

The new level-lift hitch maintains level machine operation at all depths for improved seedbed preparation and chemical placement. Adjustments to level the wings and the level-lift hitch are easy to make from the front of the 980, using the handy wrench provided with the machine.

The new crank-adjust, single-point hydraulic depth control makes fine-tuning operating depth

quick and easy. Each turn of the crank changes the machine's operating depth by 1/8 of an inch.

An optional electrohydraulic depth control (EHDC) is a John Deere exclusive. By using the electrohydraulic 3-point hitch controls on John Deere 7000 Series and larger 55/60 Series row-crop tractors, the operator has simple, fingertip control of the implement and can set both the operating depth and raise height from the tractor seat.

For example, on the 7000 Series tractors, the operator sets the implement depth and intermediate height on the hitch-command center. One touch of the raise/lower switch moves the implement between the depth and height settings. The intermediate setting makes taking out headland tracks or crossing waterways fast and easy. Holding the switch in the raise position lifts the implement

to the full-raise position.

A depth indicator on the implement makes on-the-go depth adjustments with EHDC easy to monitor from the tractor seat.

The model 980 is available in rigid, rigid-fold, and flex-fold frame designs in sizes ranging from 12-1/2 to 44-1/2 feet. The narrow-frame, flex-fold 980 offers eight sizes from 20-1/2 to 28-1/2 feet, and it features a 9-foot 9-inch mainframe and wing flexibility, for enhanced performance on hills, terraces, and contours. A transport width of 14 feet 4 inches is convenient for roading these narrow-frame machines and negotiating narrow gates and bridges.

The 980's larger 3x4-inch cross-frame and 2x5-inch end-frame members provide increased strength and rigidity for maintaining consistent depth in tough conditions. The strength and durability of the frame is further enhanced by laser-cut coped-end joints. The patented design enables the ends of a frame member to wrap the radius of the adjoining member.



The John Deere 980 drawn field cultivator features a 5-bar design that handles the higher residue levels associated with conservation farming while effectively incorporating chemicals and preparing a seedbed. Optional electro-hydraulic depth control enables the operator to set both operating depth and raise height from the tractor seat.

The resulting tight fit provides additional surface area for weld penetration. Robotic welding provides consistent weld size and penetration for strong, durable frame joints.

The large 5-1/2-inch-diameter rockshaft is positioned at the rear rank of the machine to distribute machine weight for easy tractor hookup and transport stability.

Mainframe tandem Walk-Over™ wheels on all 980 drawn field cultivators provide consistent machine depth in the field and smooth road transport. Wing tandem Walk-Over wheels are standard on 32-foot and larger machines, and optional on smaller models. Single wheels are standard on flexible-folding machine sizes from 20 to 31 feet.

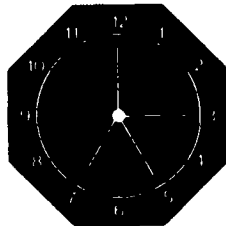
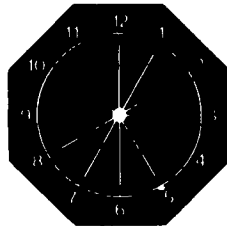
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