Secondary Tillage

Field Cultivators, Mulch Finishers, Seedbed Finishers, Disks, and Vertical Tillage

JOHN DEERE

A perfect planting job starts here

Perfect planting is the hope that begins every growing season. The vision of planting into a perfect seedbed and achieving a perfect stand inspires you to give it your best year after year. That same vision inspires the design of implements built to create that perfect seedbed – fast. That's right, quantity without sacrificing quality.

Picture the most level seedbed you'll ever create. It starts with a smooth, level soil surface. The kind that your planter or drill will glide across with ease and precision. One that encourages even emergence and growth through uniform residue distribution. One that's void of the competition – weeds.

Perfect is more than what meets the eye, though. Under that surface is a finely tilled zone of consistency. Consistent in depth, temperature, and moisture. All keys to consistent germination, even emergence and that perfect stand that's the foundation for strong yields.

Those strong yields only happen if you hit your planting window. With today's acre-eating planters and drills, it can be tough to stay ahead and create the perfect seedbed. That's why we're so excited about our lineup of secondary tillage tools that gives you both – quantity and quality.

Preparing the perfect seedbed

When executed correctly, tillage can deliver great returns to your farm by increasing crop yield and reducing risk. The end goal in seedbed preparation is a level, smooth seedbed, free of weeds. This provides the greatest opportunity for your planter or seeder to accurately and consistently place the seed at the correct depth and enable uniform crop emergence, setting the stage for maximum yield potential.

Here's a closer look at the four key areas of focus to get the highest returns from your tillage operation:

RESIDUE MANAGEMENT: Tillage helps prevent emergence problems from residue. For best results, residue fragments should be uniformly dispersed in the soil and on the soil surface, and as small as possible. This will enable the most uniform seedbed conditions and allow the planter to work most effectively.

SOIL COMPACTION MANAGEMENT: Soil compaction causes stunting, uneven crop growth and nutrient deficiencies. It is a yield robber that takes money from your bottom line. Tillage, when used correctly, is a key tool to manage compaction. Tillage directly impacts compacted zones to mechanically break up compaction, whether it's shallow compaction resulting from equipment ground pressure or deep compaction from heavy axle loads.

SEEDBED PREPARATION: Seedbed prep is key to achieving a uniform, fast emerging crop. The goal is a seedbed in which moisture, oxygen, and temperature is adequate as well as uniform. Also, free of clods and large air pockets is essential for a good seed-soil contact environment.

WEED MANAGEMENT: Timely tillage can be a very effective weed management option. Research shows that rapid germination into a weed-free field, along with vigorous early crop growth, is effective at suppressing weeds. With a tillage pass just prior to planting/seeding, the crop emerges into a weed-free field and has the best chance to reach canopy ahead of the weeds.

Inside this brochure, you'll read more about John Deere secondary tillage solutions, including John Deere Precision Ag products and services. A fully integrated approach for your soil management program, your productivity and your bottom line. AutoTrac™ assisted steering, for example, reduces overlap and skips, resulting in fewer passes. And TruSet™, now approved for most secondary tillage tools to help you work smarter. You'll see there's a solution here that fits your operation and improves your bottom line.

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User's guide to John Deere secondary tillage

With John Deere, you get a full line of secondary tillage tools backed by 19th-century roots and 21st-century technology. All are designed to deliver the peak productivity you expect.

Are you looking to size residue? How much residue do you want to leave? Weed management? Ability to create an ideal seedbed? This handy chart helps you make the right choice based on your specific management needs and field conditions.

Your John Deere dealer is your perfect partner to help you match the right tool with your needs. Talk with your dealer today about making the decisions best for you.

OVERVIEW		HIGH PRODUCTIVITY
	**2230 FIELD CULTIVATORS,** *see pages 8-13* Field cultivators require less horsepower per foot than most other secondary tools and are capable of higher residue flows. This offers the advantage of productivity with wider implements across varying crop conditions.	Cover up to 217 more acres per day than with the previous 2210 Field Cultivator thanks to a new frame design that enables 8% wider working widths – up to 69 ft. 6 in. (21.2 m) – and up to 10-mph (16-km/h) working speeds. Required hp: 8-12 hp per ft. (19.6-29.4 kW/m).
	**2330 MULCH FINISHER,** *see pages 14-17* The 2330 Mulch Finisher combines four tillage operations into one to save time and fuel: • aggressively slice and mix residue • root out weeds • build a seedbed by tilling and conditioning soil • leveling the soil surface	The 2330 Mulch Finisher provides you with working widths from 21 ft. 9 in. (6.6 m) to 56 ft. 3 in. (17.1 m) and operating speeds from 6 to 10 mph (10 to 16 km/h). Required hp: 10-14 hp per ft. (24.5-34.2 kW/m).
	**2630 SERIES DISKS,** *see pages 18-21* John Deere's 2630 Series Disk lineup consists of two models that can be used for secondary tillage applications. The 2630 Disk performs best in seedbed preparation and managing spring residue before planting. The dual-purpose 2633 Disk can be used for seedbed preparation in the spring or heavy residue conditions in the fall. A heavy-duty disk is also available.	The 2630 Series Disks provide you with working widths from 20 ft. 9 in. (6.3 m) to 49 ft. 3 in. (15.0 m) and operating speeds from 5 to 7 mph (8 to 11 km/h). Required hp: 7-11 hp per ft. (17-27 kW/m).
	**2633VT,** *see pages 22-25* John Deere's 2633VT provides a unique solution to the vertical tillage market that gives you the performance and productivity you've been looking for in a vertical tillage machine. The 2633VT is the right implement for producers wanting to size residue, mix soil, and create an ideal seedbed at shallow depths and high speeds.	The 2633VT provides you with working widths from 20 ft. 9 in. (6.3 m) to 40 ft. 8 in. (12.4 m) and operating speeds from 7 to 10 mph (11 to 16 km/h). Required hp: 8.5-11 hp per ft. (21-27 kW/m).
	**200 SEEDBED FINISHER,** *see pages 26-27* The 200 Seedbed Finisher works in tandem with a secondary tillage pass prior to planting. When drawn by a field cultivator or mulch finisher, the 200 Seedbed Finisher produces a level, firm seedbed. It will distribute larger soil particles on the surface and finer soil particles in the seed zone to promote excellent seed-to-soil contact.	The 200 Seedbed Finisher provides you with working widths from 20 ft. (6.1 m) to 45 ft. (13.7 m).

SUPERIOR RESIDUE FLOW	MANAGE WEEDS	SIZE AND CHOP RESIDUE	IMPLEMENT VERSATILITY	CREATE IDEAL SEEDBED
Lattice-style frame features true 6-in. (153-mm) split-the-middle shank pattern with TruPosition™ standards with 200 lb. (91 kg) of trip force for superior mixing and residue flow. Additional spacing options include 9 in. (229 mm) for shanks and, on select configurations, 4.5 in. (114 mm) for S-tines.	The field cultivator frames with true 6-in. (153-mm) spacing help eliminate weeds with evenly placed sweeps. The high-productivity sweeps maintain the cutting width integrity to aid in weed removal.		2230 Field Cultivators are offered in a floating hitch or Level-lift™ hitch frame design. Floating-hitch style implements work independently from the tractor and follow the contour of the ground so that the implement remains level.	Depending on unique agronomic needs, choose from one of six rear harrows to create an ideal field finish. The rolling baskets can be hydraulically adjusted from the cab, and all rear harrows are compatible with all field cultivator configurations.
True 9-in. (229-mm) split-the-middle spacing on the 2330 Mulch Finisher's lattice-style frame enables residue to flow freely through the tool.	The 2330 Mulch Finisher is built for the task of aggressively managing larger amounts of residue, heavy weed pressure, and providing a seedbed for excellent seed germination and early root development at higher levels of productivity.	20x0.197-in. (0.5x5-m) low-concavity disk blades spaced 7.25 in. (184-mm) are designed to size today's thicker residue and mix with soil in one spring tillage pass.	The 2330 Mulch Finisher combines disking and field cultivation for a one-pass operation that prepares the seedbed while also managing residue and weeds.	The 2330 Mulch Finisher offers six harrow options from the ProFinish™ Leveling System including a hydraulic rolling basket that busts clods and places finer soil particles in the seed zone. The hydraulic feature raises the basket off the ground when field conditions change.
7.25-in. (184-mm) or 9-in. (229-mm) blade spacing and 22-in. (559-mm) or 24-in. (610-mm) blade sizes match tough field conditions in any region. Proper blade option and size penetrate hard ground and allow for increased residue flow.	An aggressive 21-degree front and 19-degree rear gang angle allow this disk to manage weeds and bury residue in a variety of soils.	Heavyweight blades size and bury residue in the fall. Narrower blade spacing prepares seedbed and manages rootballs in the spring.	Mechanical wing control is a standard feature on all 5-section 2630 Series Disks. A spring pack inserted in frame presses against wing frame section to allow the frame to stay level in tough field conditions and uneven terrain.	Coil-tine harrow: • Continues to mix residue with soil • Levels soil Active-hydraulic rolling basket (round or flat bar, or knife edge): • Reduces clod size • Levels and smooths soil • Firms soil
7.25-in. (184-mm) blade spacing and 22-in. (559-mm) low-concavity blades allow the 2633VT to work at high speeds while chopping and sizing residue to encourage fluid residue flow.	An aggressive 21-degree front and 19-degree rear gang angle allows this disk to manage weeds and superior seedbed prep.	The front gang features low-concavity spherical blades to promote the highest level of residue sizing while the low-concavity wavy blades on the rear gang gain maximum vertical soil movement.	Hydraulic fore-aft leveling: • Allows for fine-tune adjustments of fore-aft levelness on-the-go from the cab.	Active-hydraulic rolling basket (round or flat bar, or knife edge): • Reduces clod size • Levels and smooths soil • Firms soil
			14-in. (356-mm) rollers; spring action; 0.875-in. (22-mm) spiraling rods.	The 200 Seedbed Finisher provides the finishing touch to your seedbeds, giving you larger soil particles on the soil surface and finer soil particles in the seed zone.

The TruSet™ Advantage

With a narrow window to prepare for planting, your time is valuable. Now, for the first time ever, you can adjust tillage depth and pressure in only six seconds – a job that used to take up to 20 minutes. Without climbing from your cab. Using only your fingertips. Lowering your operating costs. Covering more acres. And never settling for leaving yield in the field.

TruSet is available on disks, vertical tillage, field cultivators, and mulch finishers, providing in-cab depth control for the disks and sweeps as well as down-pressure control for the rolling baskets. You can respond quickly to changing conditions, such as varying soils and high-compaction areas, heavier residue, or wet areas. TruSet allows you to set four unique pre-sets based on how you want to till different soil types, crop residues, or areas of the field.

Plus, you can individually control depth side-to-side for each section on select models from the comfort of your cab. Simply make independent depth adjustments on your GreenStar 2630 Display to within 1/10-inch accuracy, and adjust down-pressure of the rolling baskets from 0 to 900 psi.

Tillage documentation and prescription functionality are also included with the TruSet system, giving you the ability to automate John Deere Precision Ag Technology in your tillage operation. Challenge the notion that accurately mapping your tillage passes doesn't matter. With TruSet you are able to map tillage speed, depth, and rolling basket down pressure. This provides you another data point to look at if you see differences in crop emergence or yield in a field. Not all fields are consistent in soil type, topography, residue level or soil compaction, so why should you treat the whole field the same? You can create variable depth tillage prescriptions to ensure every acre is tilled the way you want it. John Deere is the only one with the technology to help you get more out of your tillage pass.

TruSet lets you lay the perfect groundwork for next year's crop. And it's only available from John Deere.

Precision Ag Performance

There's no question that adding automated guidance can save you time and money all year long. In fact, studies show that guidance pays for itself in two years or less. Adding **AutoTrac™ guidance** to your operation reduces input costs, soil compaction and fuel usage. With a John Deere Precision Ag display, it also allows you to begin collecting documentation data from the first tillage pass. Factor in how relaxed you'll feel at the end of a long day, and you'll wonder how you ever worked without it.

Easily share your data with your agronomist, banker, or seed rep. With more than 75 connected software tools, including the major farm management systems used by agronomists, **John Deere Operations Center** ensures you can choose to share your data to who you want and when you want. And when you're on the go, use the MyOperations™ app for daily summaries and insights on field productivity. And the MyAnalyzer™ app can help with decision-making by leveraging historical map layers, as well as harvest summary information.

John Deere tractors come with built-in technology to sense potential issues and alert you – or your dealer – wherever you are. **With John Deere Connected Support**, you get Remote Display Access. You can monitor machine fuel levels, location history, receive alerts and even view the in-cab display remotely. Your dealer can also monitor alerts, as well as diagnose problems or update software remotely to get you back up and running. And if you do need a service call, this ensures that the dealer can bring the right tools and parts to the field.

Not just level. **The next level.**

Picture the most level seedbed you'll ever create. John Deere introduces the next level of performance in field cultivators: the all-new 2230LL Level-lift™ Field Cultivator and the 2230FH Floating Hitch Field Cultivator.

Not just level. The next level. Redesigned from below the ground up, our new tillage models deliver a smooth, level finish on the surface. Sweeps slice, mix and condition the soil to produce an even, uniform field finish below the surface, too. The perfect environment for your new seeds to take root and thrive.

Cultivate up to 217 more acres (88 ha) a day. Compared to our previous models, the new 2230 Field Cultivators take your productivity to the next level.

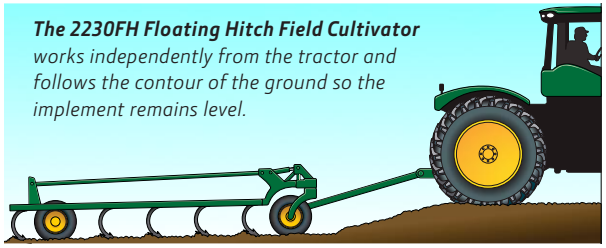
Work wider. Choose from a wide range of working widths to help create the planter-ready seedbeds you want. With working widths of up to 69 ft. 6 in. (21.2 m), you can cover more ground per pass and more acres per day. We've closed the gap in sizes, too, letting you choose the right size tool for your operation and tractor size. We also offer five-section Level-lift™ field cultivator choices that were not available before. Plus, we've improved road transport dimensions.

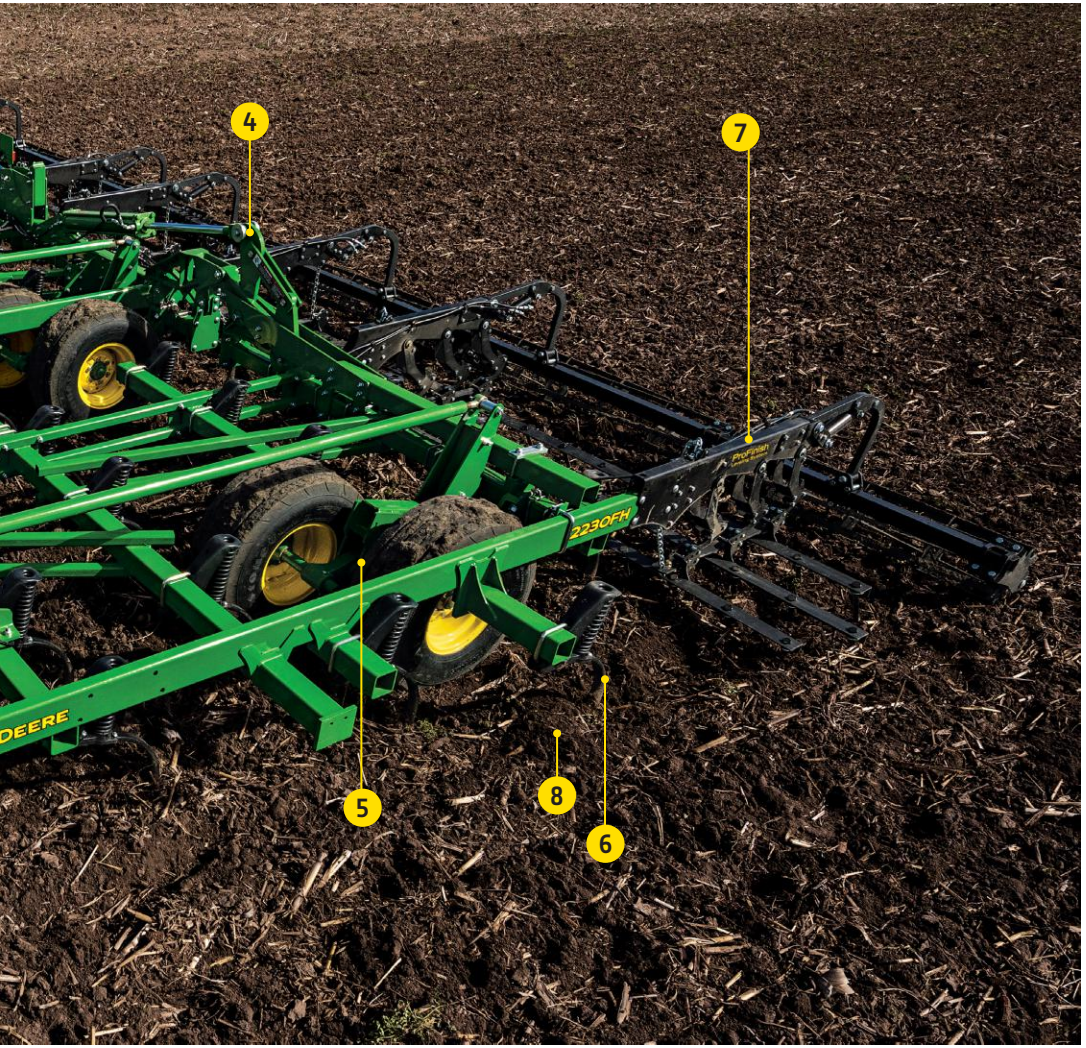
Model	Minimum width	Maximum width	Configuration options
2230LL Field Cultivator	23 ft. 6 in. (7.2 m)	60 ft. 6 in. (18.4 m)	15
2230FH Field Cultivator	25 ft. 6 in. (7.8 m)	69 ft. 6 in. (21.2 m)	14

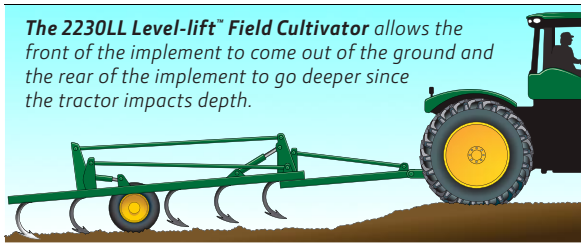
Work faster. By increasing our maximum work speed from 8 to 10 mph (13 to 16 km/h), you can drive 25% faster than before and cover more ground, acre after acre, day after day.

2230 Floating Hitch Field Cultivator

Make accurate, repeatable depth and down pressure adjustments on-the-go with TruSet™ tillage. *See details on page 6.*


The 2230FH Floating Hitch Field Cultivator *works independently from the tractor and follows the contour of the ground so the implement remains level.*





1. The 2230 Field Cultivators offer a **floating hitch and a Level-lift™ hitch**, with 3- and 5-section configurations available. Shown here, the 2230FH provides ground-hugging capability with precise depth control across all types of terrain.

2. **A true 6-in. (153-mm) split-the-middle shank pattern** allows for improved residue flow, virtually plug-free performance, as well as more consistent soil incorporation and weed removal. The lattice-style frame provides easy fore-to-aft residue flow as the standards have excellent lateral and diagonal spacing.

3. **Active-hydraulic castering wheels** are standard on the mainframe and wingframes on floating hitch models. The wheels make turns easier and offer solid front-frame support. They work in tandem with a standard floating hitch, providing more consistent operating depth.

4. **Heat-treated pins** use a ball and socket on the T-hitch to connect the hitch to the mainframe's hitch for maximum durability.

5. **Mainframe tandem Walk-Over™ wheels** are standard. Their staggered design allows residue to pass through the machine without plugging. Wingframe tandem Walk-Over wheels mirror the mainframe wheels and are standard. They provide enhanced depth control and added frame stability.

6. Even at high speeds, **TruPosition™ standards** with 200 lb. (91 kg) of trip force are able to maintain consistent depth and an even cut to achieve an optimal seedbed in varying conditions.

7. **ProFinish™ Leveling System** lets you customize the finish for your seedbed. Choose from 6 rear harrow options. Round- and flat-bar rolling baskets feature hydraulic adjustability to match changing conditions.

8. **High-Productivity (HP) Sweeps** attack topsoil compaction and slice through weeds with ease. With a lower crown than traditional sweeps, you get less draft and more consistent penetration. They're a perfect match for the 2230 Field Cultivator's 10-mph operation speeds.

Redesigned from *below* the ground up

More durable frame design. Both field cultivator models have an updated lattice-style frame design with durable tubing for long-lasting performance.

Consistent residue flow. Our new frame design enables true 6-in. (152-mm) split-the-middle shank spacing for maximum residue flow, soil mixing and weed control across the full width of the implement. By increasing the number of ranks on select configurations, each sweep now has a 24-in. (610-mm) clearance around it.

Easy transport. We've improved transport dimensions on nearly all implement sizes, and low-transport configurations are available.

A total of 29 new configurations. Your fields and agronomic goals aren't the same as your neighbor's, of course, and that's why we've extended our new field cultivator lineup to include all-new five-section Level-lift configurations, a wider range of working widths, and added new features to meet the unique needs of your operation.

Rear hitch is compatible with all Level-lift and Floating Hitch configurations to provide more versatility with tow-behind attachments such as the John Deere 200 Seedbed Finisher. Tongue weight is improved to 1,500 lbs. (680 kg) 13,000 GVW rating.

Add More

ProFinish™ Leveling System offers more harrow choices than before. Choose from six rear harrows that are compatible with all configurations to further create an optimal environment for your seed. High-Productivity (HP) sweeps are available for the 2230. Blades are made of the finest micro-alloy (boron) steel for longer life and more flexibility under load.

High Performance (HP) Sweeps feature a unique wing design and low crown that delivers less draft and more-consistent penetration. They're the perfect match for the 2230 Field Cultivator's operating speeds up to 10 mph.

2230 Floating Hitch and Level-lift™ Field Cultivator attachments

4-bar coil-tine harrow

3-bar coil-tine harrow with round-bar rolling basket

3-bar coil-tine harrow with flat-bar rolling basket

6-bar spike-tooth harrow

3-bar spike-tooth harrow with round-bar rolling basket

3-bar spike-tooth harrow with flat-bar rolling basket

Residue levels after one pass

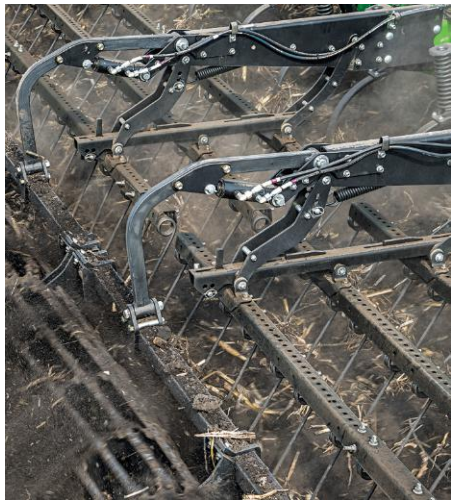
	Nonfragile						Fragile					
% initial residue	60	50	45	40	35	30	60	50	45	40	35	30
Tools with 6-in. (152-mm) spacing	45	38	34	30	26	23	36	30	27	24	21	18

Remaining residue levels can be easily changed by adjusting the sweep spacing on the 2230 Field Cultivator.

TruPosition models feature 24 in. (610 mm) high, 0.625 in. (16 mm) thick, 200-lb. (91-kg) trip-force standards for consistent tillage depth in tough conditions. Six-in. (152-mm) shank spacing provides excellent residue flow.

S-tine models feature tall, 24-in. (610-mm) standards that are a beefy 1.75 in. (45 mm) wide. They deliver excellent residue flow and longer life. 4.5-in. (114-mm) shank spacings are available.

Add rolling basket options you can hydraulically adjust from your cab. Round or flat bars are exceptional in pulverizing clods and leaving the coarse soil on top, while allowing the fine soil particles to stay in the seed zone for better seed-to-soil contact. Simply raise, lower or float baskets as your field and soil conditions change – all from the comfort of your cab. Plus, you can adjust the down pressure to the desired amount from zero down-force to maximum pressure at 900 psi (6.2 mpa) with TruSet.



Customize your field cultivator with your preferred tires. Base equipment includes radial tires on center frames. Wing frames and stabilizer wheels feature bias-ply tires with the option to upgrade to all radial tires.

No daily maintenance needed. We've added polymer wear liners to the center-frame rock shafts and maintenance-free bearings to the rolling baskets to help you get to the field faster every day.

Work smarter with TruSet™

Our next generation field cultivators aren't just wider and faster, they're also built to work smarter with integrated TruSet technology as part of base equipment. TruSet lets you adjust depth of the sweeps, disks, and down pressure of the rolling basket from inside the cab in 6 seconds. Done manually, these adjustments would take up to 20 minutes. The 2230FH also has an option for TruSet with side-to-side control for individual section leveling.

For integrated John Deere Precision Ag functionality, you can document and run variable depth prescriptions for your tillage passes. You can document speed, depth, and rolling basket down pressure. And, you can run a tillage prescription to optimize your implement for different field zones and soil types to help you achieve the best possible seedbed throughout the field.

You can also use TruSet with your non-green equipment. Just ask for our compatibility kit.

TruSet Functionality

Implement	Depth Control	Down Pressure Control	Documentation Functionality	Tillage Prescription Functionality	Competitive Tractor Compatibility
2230 Field Cultivators	Shanks	Rolling baskets	Yes	Yes	Yes
2230 Mulch Finishers	Disks Shanks	Rolling baskets	Yes	Yes	Yes

MODEL	2230 FLOATING HITCH FIELD CULTIVATOR
SIZES	
	3-section: 25 ft, 6 in. – 42 ft, 6 in. (7.62 – 7.8 m), 5-section: 40 ft, 6 in. – 69 ft, 6 in. (12.3 – 21.2 m)
OPERATING SPEED	6 to 10 mph (10 to 16 km/h)
OPERATING DEPTH	Up to 5 in. (127 mm)
HORSEPOWER REQUIREMENTS	
	8-12 hp per ft (19.6-29.4 kW/m)
FRAME	
	11-ft (3.4-m) center frame with 5-rank tube frame on 25-ft, 6-in.; 29-ft, 6-in.; 31-ft, 6-in.; 33-ft, 6-in.; 35-ft, 6-in.; 40-ft, 6-in.; 42-ft, 6-in. (low transport); 44-ft, 6-in.; 48-ft, 6-in.; 52-ft, 6-in.; 56-ft, 6-in.; and 60-ft, 6-in. (18.4-m) configurations
	15-ft (4.6-m) center frame with 6-rank tube frame on 64-ft, 6-in. and 69-ft, 6-in. (21.2-m) configurations
	11-ft (3.4-m) center frame with 6-rank tube frame on 56-ft, 6-in. and 60-ft, 6-in. (18.4-m) configurations
	Rank tubes: 4x4 in. (102x102-mm), Center frame fore-aft tubes: 2x6 in. (50x152-mm) for 5 rank, 2x8 in. (50x203-mm) for 6 rank, Wing fore-aft tubes: 2x6 in. (50x152-mm)
HITCH	
	Floating hitch 6x10-in. (152x254-mm) T-hitch, cast-steel hitch link, optional rear hitch
CLEARANCE	
Fore-aft	138 in. (3.4 m) on 11-ft (3.4-m) center frames, 168 in. (4.2 m) on 15-ft (4.6-m) center frames
Underframe	24 in. (610 mm)
DEPTH CONTROL	Base equipment: TruSet™ in-cab depth/pressure control and single-point depth control
STANDARDS AND SWEEPS	
Standards	TruPosition™ with 200-lb (91-kg) trip force and 10-in. (254-mm) spring-reset trip height
Shanks	0.75x1.75x24 in. (19x44x610 mm)
Sweeps	Tru-Width™, Perma-Loc™, High-Productivity, or Perma-Loc High-Productivity options
Spacing	6-in. (152-mm) split-the-middle, 9-in. (229-mm)* and S-tine 4.5-in. (114-m m)* options *(*spacing may not be exact in all locations)*
WHEELS AND TIRES	
Center frame tires on Walk-Over™ tandem wheels (bias-ply tire option available)	
25 ft, 6 in. – 35 ft, 6 in. (7.8 – 10.8 m)	(4) IF280/70 R15 134D tires
40 ft, 6 in. – 44 ft, 6 in. (12.3 – 13.6 m)	(4) IF320/70 R15 144D tires
48 ft, 6 in. – 52 ft, 6 in. (14.8 – 16.0 m)	(4) VF285/70 R19.5 150D tires
56 ft, 6 in. – 69 ft, 6 in. (17.2 – 21.2 m)	(4) 340/65 R18 Michelin 149A8 tires
Wing frame tires on Walk-Over™ tandem wheels (radial tire option available)	
25 ft, 6 in. – 35 ft, 6 in. (7.8 – 10.8 m)	(4) 11L-15 FI LR D tires
42 ft, 6 in. (13.0 m) – low transport only	(4) 12.5-L-15 FI LR D tires
40 ft, 6 in. – 69 ft, 6 in. (12.3 – 21.2 m)	(8) 12.5-L-15 FI LR D tires
Active hydraulic castering wheels and tires (radial tire option available)	
25 ft, 6 in. – 35 ft, 6 in. (7.8 – 10.8 m)	(4) 11L-15D FI LR D tires
40 ft, 6 in. – 69 ft, 6 in. (12.3 – 21.2 m)	(4) 12.5-L-15 FL LR D tires and (2) 12.5-L-15 FL LR F tires
PROFINISH™ LEVELING SYSTEM	
4-bar coil-tine harrow	6-bar spike-tooth harrow
3-bar coil tine with round-bar rolling basket	3-bar spike tooth with round-bar rolling basket
3-bar coil tine with flat-bar rolling basket	3-bar spike tooth with flat-bar rolling basket
TRANSPORT DIMENSIONS	
Standard configurations:	
3-section	Transport height from 11 ft, 3 in. to 16 ft, 1 in. (3.4 to 4.9 m); Transport width from 15 ft, 7 in. to 15 ft, 11 in. (4.7 to 4.9 m)
5-section	Transport height from 12 ft, 7 in. to 17 ft, 7 in. (3.8 to 5.3 m); Transport width from 16 ft, 0 in. to 23 ft, 6 in. (4.9 to 7.2 m)
Low-transport configurations:	
42-ft, 6-in. (13.0 m) working width	**Transport height:** 13 ft, 10 in. (4.2 m); **Transport width:** 17 ft, 6 in. (5.3 m)

(Specifications and design subject to change without notice.)

MODEL	2230 LEVEL-LIFT™ FIELD CULTIVATOR
SIZES	
	3-section: 23 ft, 6 in. – 43 ft, 6 in. (7.2 – 13.3 m), 5-section: 42 ft, 6 in. – 60 ft, 6 in. (13.0 – 18.4 m)
OPERATING SPEED	6 to 10 mph (10 to 16 km/h)
OPERATING DEPTH	Up to 5 in. (127 mm)
HORSEPOWER REQUIREMENTS	
	8 to 12 hp/ft. (19.6-29.4 kW/m)
FRAME	
	9-ft (2.7-m) center frame with 5-rank tube frame on 23-ft, 6-in.; 25-ft, 6-in.; 27-ft, 6-in.; 29-ft, 6-in.; 38-ft, 6-in. (low transport); 42-ft, 6-in.; 46-ft, 6-in.; and 50-ft, 6-in. (15.4-m) configurations
	11-ft (metric) center frame with 5-rank tube frame on 31-ft, 6-in.; 33-ft, 6-in.; 35-ft, 6-in.; 43-ft, 6-in. (low transport); and 52-ft, 6-in.(16 m) configurations
	11-ft (3.4-m) center frame with 6-rank tube frame on 56-ft, 6-in. and 60-ft, 6-in. (18.4-m) configurations
	Rank tubes: 4x4 in. (102x102 mm), Center frame fore-aft tubes: 2x6 in. (50x152 mm) for 5 rank, 2x8 in. (50x203 mm) for 6 rank, Wing fore-aft tubes: 2x6 in. (50x203-mm)
HITCH	
	Level-lift™ 6x10-in. (152x254-mm) T-hitch, cast-steel hitch link, optional rear hitch
CLEARANCE	
Fore-aft	138 in. (3.4 m) on 9- and 11-ft (2.7- and 3.4-m) center frames, 168 in. (4.2 m) on 15-ft (4.6-m) center frames
Underframe	24 in. (610 mm)
DEPTH CONTROL	
	Base equipment: TruSet™ in-cab depth/pressure control and single-point depth control
STANDARDS AND SWEEPS	
Standards	TruPosition™ with 200-lb (91-kg) trip force and 10-in. (254-mm) spring-reset trip height
Shanks	0.75x1.75x24 in. (19x44x610 mm)
Sweeps	Tru-Width™, Perma-Loc™, High-Productivity, or Perma-Loc High-Productivity options
Spacing	6-in. (152-cm) split-the-middle, 9-in. (229-mm)* and S-tine 4.5-in. (114- mm)* options *(*spacing may not be exact in all locations)*
FOLD	
	Over-center fold
WHEELS AND TIRES	
Center frame tires on Walk-Over™ tandem wheels (bias-ply tire option available)	
23 ft, 6 in. to 35 ft, 6 in. (7.2 – 10.8 m)	(4) IF280/70 R15 134D tires
38 ft, 6 in. to 46 ft, 6 in. (11.7 – 14.2 m)	(4) IF320/70 R15 144D tires
50 ft, 6 in. to 52 ft, 6 in. (15.4 – 16.0 m)	(4) VF285/70 R19.5 150D tires
56 ft, 6 in. to 60 ft, 6 in. (17.2 – 18.4 m)	(4) 340/65 R18 Michelin 149A8 tires
Wing frame tires on Walk-Over™ tandem wheels (radial tire option available)	
23 ft, 6 in. to 35 ft, 6 in. (7.2 to 10.8 m)	(4) 11L-15 FI LR D tires
38 ft, 6 in. to 43 ft, 6 in. (11.7 to 13.3 m) - 3-section configurations	(4) 12.5-L-15 FI LR D tires
42 ft, 6 in. to 60 ft, 6 in. (13.0 to 18.4 m) - 5-section configurations	(8) 12.5-L-15 FI LR D tires
Mechanical stabilizer wheels and tires (radial tire option available)	
3-section	Option: (2) 9.5L-15 FI LR D tires
5-section	Base: (2) 9.5L-15 FI LR D tires ; Option: (4) 9.5L-15 FI LR D tires
PROFINISH™ LEVELING SYSTEM	
4-bar coil-tine harrow	6-bar spike-tooth harrow
3-bar coil tine with round-bar rolling basket	3-bar spike tooth with round-bar rolling basket
3-bar coil tine with flat-bar rolling basket	3-bar spike tooth with flat-bar rolling basket
TRANSPORT DIMENSIONS	
Standard configurations:	
3-section	**Transport height:** 11 ft, 3 in. to 15 ft, 9 in. (3.4 to 4.8 m); **Transport width:** 13 ft, 9 in. to 15 ft, 9 in. (4.2 to 4.8 m)
5-section	**Transport height:** 12 ft, 7 in. to 16 ft, 2 in. (3.8 to 4.9 m); **Transport width:** 14 ft, 0 in. to 16 ft, 1 in. (4.3 to 4.9 m)
Low-transport configurations:	
38-ft, 6-in. (11.7 m) working width	**Transport height:** 13 ft, 6 in. (4.1 m); **Transport width:** 14 ft, 0 in. (4.3 m)
43-ft, 6-in. (13.3 m) working width	**Transport height:** 14 ft, 4 in. (4.4 m); **Transport width:** 18 ft, 0 in. (5.5 m)

(Specifications and design subject to change without notice.)

New 2330 Mulch Finisher: The next level of performance in heavy residue

Right away, you can see the difference. The fully redesigned 2330 Mulch Finisher delivers aggressive cutting action to size up to 80% residue in your fields and help deliver the planter-ready seedbed you need for enhanced seed placement and germination.

Not just level. The next level. Redesigned from below the ground up, our new 2330 Mulch Finishers deliver a smooth, level finish on the surface. But look what happens under the surface. The disks and sweeps slice, mix and condition the soil to produce an even, uniform field finish below the surface, too. The perfect environment for your new seeds to take root and thrive.

Up to 127 more acres (51 ha) a day. Compared to our previous model, the new 2330 Mulch Finisher can help you cover more ground every day.

Model	Minimum width	Maximum width	Configuration options
2330 Mulch Finisher	21 ft. 9 in. (6.6 m)	56 ft. 3 in. (17.1 m)	9

Up to 22% wider. Starting at 21 ft. 9 in. (6.6 m) and extending up to 56 ft. 3 in. (17.1 m), you have a wide range of working widths to help create the planter-ready seedbeds you want. And when you combine these choices with the 10-mph (16 km/h), working speeds, you'll cover more ground per pass and more acres per day.

Narrower transport frame. *Despite a 22% wider working width on our largest 2330 Mulch Finisher configuration, we have 5% more narrow transport width than our previous model for better on-road transport. Plus, we now have radial tires in our base equipment for easier travel on the road and in the field.*

1. **Spring-loaded combination scrapers** prevent soil buildup on the disk blades and are adjustable to compensate for wear. Choose from two settings: rigid or self-adjusting to keep blades clean in sticky, wet soil.

2. **Tandem Walk-Over™ wheels** help keep the frame at a consistent working depth. Their staggered design allows residue to pass through the implement without plugging.

3. **Crank-adjust, single-point depth control** lets you easily set depth in seconds. All 2330 Field Cultivators come with TruSet™ and single-point depth control in base equipment providing operators with the choice of in-cab control or making manual adjustments.

4. **Perma-Loc™ sweeps** are standard equipment on the 2330. Simply slip the sweep on the adapter until you hear an audible “click." The innovative Perma-Loc ratcheting system saves time, money, and prevents sweep loss.

5. The 2330 features **hydraulically adjustable rolling baskets**. As soil conditions change, set to raise, lower or float. Or, adjust down pressure on-the-go with TruSet.

Heavy residue has met its match

Facing extra-heavy residue? You need an extra-tough mulch finisher to conquer it all and leave behind a smooth, even seedbed in time for your planter. You need the all-new 2330 Mulch Finisher.

Durable frame design. Right away, you'll see the frame has been enhanced from front to back. One Spring pass lets you slice and mix surface residue, root out weeds, and till and level the soil – saving you time and labor expenses.

Shank spacing helps leave smooth, level seedbed. The true 9-in. (23-cm) split-the-middle spacing provides more space for residue to flow and minimizes plugging.

Integrated TruSet™ enables tillage documentation and prescription functionality along with in-cab adjustability for disk and shank depth and rolling basket down pressure. (See page 11 for details.)

Add More 2330 Mulch Finisher attachments

ProFinish™ Leveling System offers more harrow choices than before, and all are compatible with all configurations to give you the planter-ready fields you need. Choose from round- or flat-bar rolling baskets. Both are ideal for slicing clods and mixing residue, leaving the finer soil particles in the seed zone providing better seed-to-soil contact. You can adjust the down pressure of the rolling baskets from the cab.

Diamond Series Disks and Coulter Blades and High-Productivity (HP) Sweeps are also available for the 2330. Blades are made from the finest micro-alloy (boron) steel, hardened for extended life and durability while maintaining a sharp edge. Micro-alloy is more ductile, increasing its ability to flex more readily when severe sideloads occur. Sharper edges provide aggressive penetration and improved residue cutting action.

HP sweeps feature a unique wing design and low crown which optimize performance to meet increasing demands from higher speeds and increasingly tougher field conditions. Available in standard Bolt-On or John Deere-exclusive Perma-Loc™ Quick-Change System for fast and easy sweep change-over.

Disk Gang
Provides aggressive cutting action to size up to 80% residue and minimizes ridging for a smooth and level seedbed profile.

Active-Hydraulic Caster Wheels
Help to maintain a consistent, level depth, recommended for operation on rolling ground or when the disk gangs are operated in the raised position.

Radial Tires
Standard equipment for mainframe wheels. Improves in-field and on-road transport, provides stubble resistance, reduces compaction and wears longer.

Rear-Harrow Options
Choose from 6 ProFinish Leveling System rear harrows for an ideal field finish.

Spacing/Standards
9-in. (229-mm) spacing with 10-in. (254-mm) TruPosition™ standards enables maximum residue flow.

Mulch Finisher Harrow Choices

5-bar coil-tine harrow	3-bar coil-tine harrow with round-bar rolling basket	3-bar coil-tine harrow with flat-bar rolling basket
6-bar spike-tooth harrow	4-bar spike-tooth harrow with round-bar rolling basket	4-bar spike-tooth harrow with flat-bar rolling basket

Residue sizing

Low-concavity, 20-in. (508-mm) diameter disk blades are spaced 7.25 in. (184 mm) apart at an 8-degree angle for effective slicing in heavy residue. Outside blades are tapered to 18 in. (457 mm) to feather soil and reduce ridging. C-spring cushion gangs help protect against rocks and other obstructions.

Disk-gang height is hydraulically adjustable from even level with the sweeps to 8 in. (203 mm) above the sweeps. This lets you adjust disk-gang height on the go to meet changing residue and field conditions. Run the disk gang in the down position to size residue, or raise the disk gang completely out of the ground and use the 2330 as a field cultivator.

Harrow performance

Capabilities	Coil-Tine Harrow	Spike-Tooth Harrow	Coil Tine/ Round-Bar Basket	Coil Tine/ Flat-Bar Basket	Spike Tooth/ Round-Bar Basket	Spike Tooth/ Flat-Bar Basket
Level seedbed	Good	Better	Best	Best	Best	Best
Firm seedbed	Fair	Good	Best	Better	Best	Better
Handle residue	Best	Better	Best	Best	Better	Better
Break up clods	Good	Better	Better	Best	Better	Best
Handle moisture/wet soil	Best	Better	Good	Good	Good	Good
Handle rocks	Best	Good	Better	Good	Better	Good

Rear hitch is compatible with all Level-lift and Floating Hitch configurations to provide more versatility with tow-behind attachments such as the John Deere 200 Seedbed Finisher. Tongue weight is improved to 1,500 lbs. (680 kg) 13,000 GVW rating.

MODEL	2330 MULCH FINISHER
SIZES	
	3-section: 21 ft, 9 in. – 33 ft, 9 in. (6.7 – 10.3 m); 5-section: 38 ft, 3 in. – 56 ft, 3 in. (11.7 – 17.2 m)
OPERATING SPEED	6 to 10 mph (9.7 to 16 km/h)
OPERATING DEPTH	Up to 6 in. (152 mm)
HORSEPOWER REQUIREMENTS	
	10-14 hp per ft (24.5-34.2 kW/m)
FRAME	
	Center frame: 10 ft (3 m), Rank tubes: 4x4 in. (102x102-mm) Mainframe fore-aft tubes: 3x8 in. (76.2x203 mm), Wing fore-aft tubes: 3x6 in. (76.2x152 mm)
HITCH	
	Level-lift™ 6x10-in. (152x254-mm) T-hitch, cast-steel hitch link, optional rear hitch
CLEARANCE	
Fore-aft	138 in. (3.4 m)
Underframe	24 in. (610 mm)
DEPTH CONTROL	Base equipment: TruSet™ in-cab depth/pressure control and single-point depth control
DISK GANGS	
	20x0.197-in. (508x5 mm) low-concavity disk blades spaced 7.25-in. (184 mm) apart, hydraulic gang-height adjustment with 8-in. (203 mm) range and combination scrapers are standard
STANDARDS AND SWEEPS	
Standards	TruPosition™ with 200-lb (91-kg) trip force and 8-in. (203-mm) spring-reset trip height
Shanks	0.75x1.75x24 in. (19x44x610 mm)
Sweeps	10-in. (254 mm) Perma-Loc™ in base, Tru-Width™, High-Productivity, and Perma-Loc High-Productivity options
Spacing	9 in. (228 mm) split-the-middle
WHEELS AND TIRES	
Center frame tires on Walk-Over™ tandem wheels (bias-ply tire options available)	
21 ft, 9 in. (6.6 m)	(4) IF280/70 R15 134D tires
24 ft, 9 in. to 33 ft, 9 in. (7.5 to 10.3 m)	(4) IF320/70 R15 144D tires
38 ft, 3 in. to 44 ft, 3 in. (11.6 to 13.5 m)	(4) VF285/70 R19.5 150D tires
50 ft, 3 in. to 56 ft, 3 in. (15.3 to 17.1 m)	(4) 440/65 R18 159A8/B tires
Wing frame tires on Walk-Over™ tandem wheels for outer wing (radial tire options available)	
21 ft, 9 in. (6.6 m)	(4) 11L-15 FI LR D tires
24 ft, 9 in. to 33 ft, 9 in. (7.5 to 10.3 m)	(4) 12.5-L-15 FI LR D tires
38 ft, 3 in. to 56 ft, 3 in. (11.6 to 13.5 m)	(8) 12.5-L-15 FI LR D tires
Active-hydraulic castering wheels and tires (radial tire option available)	
5-section only	(2) 9.5L-15 FI LR D tires
Mechanical stabilizer wheels and tires (radial tire option available)	
3- and 5-section inner wing only	(2) 9.5L-15 FI LR D tires
PROFINISH LEVELING SYSTEM	
5-bar coil-tine harrow (base)	6-bar spike-tooth harrow
3-bar coil tine with round-bar rolling basket	4-bar spike tooth with round-bar rolling basket
3-bar coil tine with flat-bar rolling basket	4-bar spike tooth with flat-bar rolling basket
TRANSPORT DIMENSIONS	
3-section	Transport height from 10 ft, 3 in. to 15 ft, 6 in. (3.1 to 4.7 m) Transport width from 13 ft, 6 in. to 14 ft, 4 in. (4.1 m to 4.4 m)
5-section	Transport height from 11 ft, 6 in. to 16 ft, 0 in. (3.5 to 4.9 m) Transport width from 15 ft, 1 in. (4.6 m)
	Inner/outer wing tires retract for narrow transport on all 5-section machines

(Specifications and design subject to change without notice.)

2630 SERIES DISKS: ENDLESS VERSA*TILL*ITY

Manage tough residue with ease with our 2630 Series Disks. These implements let you penetrate up to 8 in. (203 mm) in rock-hard wheat ground or chop and mix thick corn residue in a single pass. Also, take advantage of TruSet technology to adjust disk depth and basket down-pressure from the comfort of your cab in as little as 6 seconds compared to up to 20 minutes to manually adjust.

The 2630 Disk is perfect for secondary tillage, creating an exceptional seedbed for planting. The dual-purpose 2633 Disk can be used for finishing or in heavy residue conditions. Both feature aggressive gang angles of 21 degrees in the front and 19 degrees in the rear. Use your choice of disk blade diameter and thickness to customize the implements for your conditions.

The expanded ProFinish™ Leveling System offers four rear harrow options including hydraulically adjustable rolling baskets to finish the seedbed. Paired with radial tires, now available as an option across the entire tool, these implements let you cover up to 418 acres (169 ha) in a 10-hour day with our widest configuration, leaving a smooth, level seedbed that's perfect for planting.

TruSet™ Side-to-Side technology. TruSet Side-to-Side technology delivers individual section control, allowing you to adjust the depth of the disks and the down pressure of the rolling baskets from inside the cab in only six seconds. TruSet makes it easy. Available only from John Deere. See page 6 for details.

1 **Large 2-in. (51-mm) gang bolt** – One of the largest gang bolts in the industry. No matter what your field conditions are, the gangs on the 2630 Series Disks won't falter. All bolts are designed with an innovative easy-to-tension feature.

2 **C-spring standards and floating scrapers** – All 2630 Series Disks come with C-spring standards that add muscle and deliver a floating scraper design. The results: consistent disking depth – even in hard-packed ground and rocky fields – and plug-free performance in heavy residue and wet conditions.

3 **Hydraulic fore-aft leveling** – Easily make fore-aft adjustments from the cab.

4 **Increased weight per blade** – To better size and incorporate residue and root balls, the 2630 Series Disks are packed with extra weight on each machine. Maximum weight on the dual-purpose 2633 Disk is 243 lb. (110 kg) per blade. Even on the 2630 Disk that was designed for lighter soils and secondary tillage, minimum weight per blade is an impressive 175 lb. (79 kg).

5 **New, extended life bearings** – These new bearings are more reliable and feature limited, seasonal maintenance. They dynamically align the shaft in challenging field conditions to improve reliability and reduce service time.

6 **Radial tires** – Customize your implement with preferred tires. Base equipment includes radial tires on the center frames; radial tires are now an option on the wing frames and stabilizer wheels.

2630 and 2633 Disks:
Perfect for secondary tillage

Our 2630 Disk is ideal for loosening up to 5 in. (127 mm) of soil in your fields. Your soil warms faster and also helps ensure precise seed placement from your planter. Choose from 22- or 24-in. (559- to 610-mm) blades on 7.25- or 9-in. (184- or 229-mm) spacing in 10 different widths to match your soil type and planting management practices.

The medium-duty 2633 Disk is a dual-purpose tool that is perfect for either secondary or primary tillage. In spring, its running depth of 6 in. (152 mm) makes it perfect to ready seedbeds for planting. In fall, it delivers ample heft to size and bury residue. Ten widths are available to fit your needs. All can be equipped with TruSet™, which allows you to adjust depth control and basket down-pressure from the cab. See chart below and page 6 for more details.

TruSet Functionality

Implement	Depth Control	Down Pressure Control	Documentation Functionality	Tillage Prescription Functionality	Competitive Tractor Compatibility
2630 Series Disks and VT	Disks	Rolling Baskets	Yes	Yes	Yes

2630 Disk Specifications

WORKING WIDTHS	20 ft. 9 in. (6.3 m)	23 ft. 7 in. (7.2 m)	26 ft. 5 in. (8.1 m)	29 ft. 3 in. (8.9 m)	30 ft. 8 in. (9.3 m)	33 ft. 7 in. (10.2 m)	36 ft. 5 in. (11.1 m)	40 ft. 8 in. (12.4 m)	44 ft. 11 in. (13.7 m)	49 ft. 3 in. (15.0 m)
Transport width	13 ft. 6 in. (4.1 m)	13 ft. 6 in. (4.1 m)	13 ft. 6 in. (4.1 m)	13 ft. 6 in. (4.1 m)	15 ft. 6 in. (4.7 m)	15 ft. 6 in. (4.7 m)	16 ft. 3 in. (4.9 m)	16 ft. 3 in. (4.9 m)	16 ft. 3 in. (4.9 m)	16 ft. 3 in. (4.9 m)
Transport height	10 ft. (3.0 m)	11 ft. (3.4 m)	12 ft. (3.7 m)	14 ft. (4.3 m)	13 ft. (4.0 m)	15 ft. (4.6 m)	12 ft. (3.7 m)	12 ft. (3.7 m)	13 ft. (4.0 m)	13 ft. (4.0 m)
Gang standards	C-spring									
Gang angle	21°F/19°R									
Purpose	Secondary tillage									
Working depth	Up to 5 in. (12.7 m)									
Weight/blade*	189 lb. (85.7 kg)	183 lb. (83.0 kg)	185 lb. (83.9 kg)	179 lb. (81.2 kg)	181 lb. (82.1 kg)	175 lb. (79.4 kg)	209 lb. (94.8 kg)	206 lb. (93.4 kg)	209 lb. (94.8 kg)	200 lb. (90.7 kg)
Blade size	22 or 24 in. (559 or 610 mm)									
Blade spacing	7.25 or 9 in. (184 or 229 mm)**									
Engine Horsepower Required	185-250 hp (116-159 kW)	220-290 hp (139-184 kW)	255-330 hp (161-209 kW)	285-370 hp (181-233 kW)	305-390 hp (192-245 kW)	335-425 hp (213-269 kW)	370-455 hp (233-289 kW)	400-495 hp (252-314 kW)	455-565 hp (287-357 kW)	495-615 hp (314-388 kW)
Operating speed	5-7 mph (8.0-11.3 km/h)									
Recommended use	Light soils. Seedbed preparation.									

2633 Disk Specifications

WORKING WIDTHS	20 ft. 9 in. (6.3 m)	23 ft. 7 in. (7.2 m)	26 ft. 5 in. (8.1 m)	29 ft. 3 in. (8.9 m)	30 ft. 8 in. (9.3 m)	33 ft. 7 in. (10.2 m)	36 ft. 5 in. (11.1 m)	40 ft. 8 in. (12.4 m)	44 ft. 11 in. (13.7 m)	49 ft. 3 in. (15.0 m)
Transport width	13 ft. 6 in. (4.1 m)	13 ft. 6 in. (4.1 m)	13 ft. 6 in. (4.1 m)	13 ft. 6 in. (4.1 m)	15 ft. 6 in. (4.7 m)	15 ft. 6 in. (4.7 m)	16 ft. 3 in. (4.9 m)	16 ft. 3 in. (4.9 m)	16 ft. 3 in. (4.9 m)	16 ft. 3 in. (4.9 m)
Transport height	10 ft. (3.0 m)	11 ft. (3.4 m)	12 ft. (3.7 m)	14 ft. (4.3 m)	13 ft. (4.0 m)	15 ft. (4.6 m)	12 ft. (3.7 m)	12 ft. (3.7 m)	13 ft. (4.0 m)	13 ft. (4.0 m)
Gang standards	C-spring									
Gang angle	21°F/19°R									
Purpose	Primary or secondary tillage									
Working depth	Up to 6 in. (152 mm)									
Weight/blade*	241 lb. (109.3 kg)	235 lb. (106.6 kg)	224 lb. (101.6 kg)	212 lb. (96.2 kg)	206 lb. (93.4 kg)	201 lb. (91.2 kg)	243 lb. (110.2 kg)	228 lb. (103.4 kg)	235 lb. (106.6 kg)	225 lb. (102.1 kg)
Blade size	24 or 26 in. (610 or 660 mm)									
Blade spacing	9 in. (229 mm)									
Engine Horsepower Required	185-250 hp (116-159 kW)	220-290 hp (139-184 kW)	255-330 hp (161-209 kW)	285-370 hp (181-233 kW)	305-390 hp (192-245 kW)	335-425 hp (213-269 kW)	370-455 hp (233-289 kW)	400-495 hp (252-314 kW)	455-565 hp (287-357 kW)	495-615 hp (314-388 kW)
Operating speed	5-7 mph (8.0-11.3 km/h)									
Recommended use	Light to medium soils. Seedbed preparation or primary tillage.									

**The 2630 Disk and 2633 Disk weight/blade is calculated using the 22-in. (559-mm) base blade and 9-in. (229-mm) front and rear spacing.*
***Not available on all working widths.*

Vertical tillage has never performed like this

You're looking at a unique angle in vertical tillage performance. John Deere presents the 2633VT with an exclusive design and all the toughness you need for two-season residue management.

What makes the 2633VT more productive? Take a close look at its many features here. You'll see that its gang angles and blade configurations are unique in the vertical tillage industry. With a 21° angle on the front gang and 19° angle on the rear gang, the 2633VT delivers aggressive sizing and chopping ability in tough residue in fall – while helping create an ideal seedbed in the spring.

Nobody plays up the productivity angle more in vertical tillage. Talk with your John Deere dealer for details on the 2633VT. Available in five different widths to fit your fields.

Additional Features:

Scraper *– helps prevent plugging to enhance residue flow; additional scrapers can be ordered separately.*

Longer-lasting bearings *– new bearings with limited, seasonal maintenance last longer than our previous bearings.*

Single-point depth control *– standard on all 2633VT implements; allows for simple, manual adjustments.*

TruSet™ Side-to-Side technology now available. TruSet Side-to-Side offers individual section control, which allows you to adjust the depth of the disks and the down-pressure of the rolling baskets from inside the cab in only six seconds. TruSet makes it easy, and it's available only from John Deere. See page 6 for details.

1. **One of the industry's largest gang bolts** – a full 2-in. (51-mm) diameter that delivers an extra measure of toughness and long life.

2. **Unique gang angles** – engineered with varying angles from front to rear (21° angle on the front gang and 19° angle on the rear gang), allowing blades to create a smoother, more uniform seedbed.

3. **Hefty front spherical blades** – effectively chop thick corn stalk residue to the right size, manage weeds and root balls, and remove field ruts.

4. **Heavy-duty wavy rear blades** – deliver maximum vertical residue soil mixing, soil aeration and residue anchoring to give you the most mixture for your money.

5. **Ideal blade spacing** – 7.25-in. (184-mm) spacing makes the most of your one-pass residue sizing and soil mixing.

6. **Three-position hydraulic rolling basket** – adjust it down for consistent ground contact, raise it for harsh, muddy conditions or choose the float position to lightly fluff soil.

7. **Hydraulic fore-aft leveling** – lets you make on-the-go changes from your cab to improve performance.

8. **Customize your implement with preferred tires** – Base equipment includes radial tires on the center frames; radial tires are now an option on the wing frames and stabilizer wheels.

2633VT: A unique angle to vertical tillage productivity

Make the most of the benefits vertical tillage offers – a level seedbed for enhanced germination, improved size and anchor residue for faster decomposition, and impressive operating speeds for exceptional time-savings – with the 2633VT from John Deere.

In vertical tillage applications, a majority of the sizing is done by the front gang and the soil mixing by the rear gang. John Deere designed the 2633VT to chop stalks to an acceptable size and begin soil mixing for breakdown. If you're looking to size residue, mix soil, and create an ideal seedbed, the 2633VT is the right tool for you.

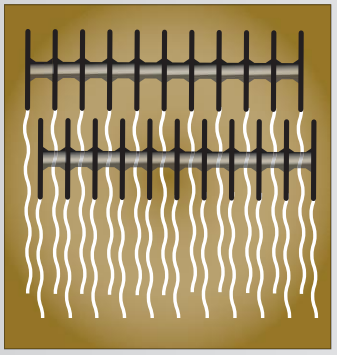
As crop yields increase, so does the amount of residue after harvest. The 2633VT allows you to prepare soil for planting in the spring and residue management in the fall. It's the productivity angle you've been looking for.

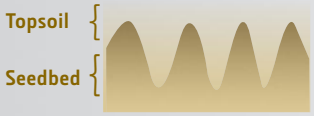
Zoom through fields with the 2633VT. Working speeds up to 10 mph (16.1 km/h) help you to finish fields fast, without sacrificing quality. Hefty front blades effectively chop and size residue, manage weeds, and remove field ruts. The low-concavity spherical blades on front work with the aggressive gang angle to promote a scouring action with the ground to allow them to be self-sharpening. Wavy rear blades get your vertical soil movement to mix and aerate the soil while anchoring residue. Our active hydraulic rolling basket has three positions. Adjust it down for consistent ground contact in all conditions for firm seedbeds. Raise it for harsh, muddy conditions. Or choose the float position to lightly fluff soil. Add TruSet™ to easily make depth and down-pressure adjustments from the cab.

How gang angle can affect performance

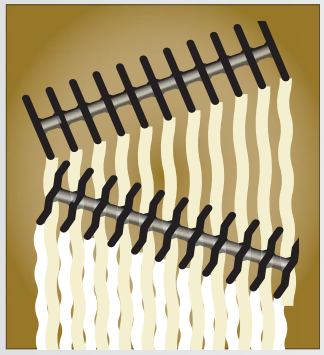
See the difference for yourself. Other vertical tillage tools (shallow gang angle) can leave a wavy, washboard effect unsuitable for a proper seedbed. The 2633VT implement has an aggressive gang angle to help anchor residue, manage weeds and root balls, and create an even, smooth seedbed under the topsoil. See your John Deere Dealer for details.

Shallow Gang Angle





Aggressive Gang Angle



2633VT Disk Specifications

Size:	20 ft. 9 in. (6.3 m)	26 ft. 5 in. (8.1 m)	29 ft. 3 in. (8.9 m)	30 ft. 8 in. (9.3 m)	33 ft. 7 in. (10. 2 m)	40 ft. 8 in. (12.4 m)
Standards	C-Spring					
Blade spacing	7.25 in. (184 mm)					
Gang angle	21° Front / 19° Rear					
Front gang blades	22 in. x 0.197 in. (559 mm x 5 mm) or 22 in. x 0.256 in. (559 mm x 7 mm) solid shallow concavity spherical					
Rear gang blades	22 in. x 0.197 in. (559 mm x 5 mm) solid shallow concavity 13 wave					
Weight	14,983 lb. (6796.2 kg)	19,976 lb. (9,061.0 kg)	20,343 lb. (9,227.4 kg)	21,871 lb. (9,466.9 kg)	22,100 lb. (10,024.4 kg)	28,641 lb. (12,991.3 kg)
Number of blades	68	88	96	104	112	136
Weight per blade	220 lb. (99.8 kg)	227 lb. (103.0 kg)	211 lb. (95.7 kg)	210 lb. (95.3 kg)	197 lb. (89.4 kg)	210 lb. (95.3 kg)
Rolling basket	Round bar or flat bar. Knife edge is also available.					
Engine Horsepower Required	8.5 - 11 hp per ft. (6.3 - 8.2 kW)					
	200-260 hp (149-194 kW)	260-330 hp (194-246 kW)	290-365 hp (216-272 kW)	300-380 hp (224-285 kW)	330-420 hp (246-313 kW)	400-505 hp (299-377 kW)
Transport width	13 ft. 6 in. (4.1 m)	13 ft. 8 in. (4.2 m)	13 ft. 8 in. (4.2 m)	15 ft. 8 in. (4.8 m)	15 ft. 8 in. (4.8 m)	16 ft. 1 in. (4.9 m)
Transport height	10 ft. (3.0 m)	12 ft. 10 in. (3.9 m)	14 ft. 1 in. (4.3 m)	13 ft. 10 in. (4.2 m)	15 ft. 2 in. (4.6 m)	12 ft. 4 in. (3.8 m)
Working depth	Up to 3 in. (76 mm)					
Operating speed	7 – 10 mph (11.4-16.1 km/h)					
Depth control	Single-point depth control and TruSet in-cab depth/pressure control					

**Flat bar not recommended for rocky soil conditions*

Create the perfect environment for germination

Research shows you can increase yields when you improve seed-to-soil contact at germination. And that's what you get when you hitch a **200 Seedbed Finisher** to your field cultivator.

It features 14-in. (356-mm) staggered rolling baskets with spiraling rods that break up clods and leave a surface texture resistant to crusting, yet firm enough to preserve moisture in the seed zone.

This model is available in multiple working widths of 20 to 45 feet (6.1 m to 13.7 m) with 3- or 5-section models to fit your operation. Talk with your John Deere dealer and find out how you can jump-start yields with the 200 Seedbed Finisher.

Wing fold allows for narrow transport.

Fourteen-in. (356-mm) rolling baskets feature exclusive John Deere Dura-Flex™ bearings.

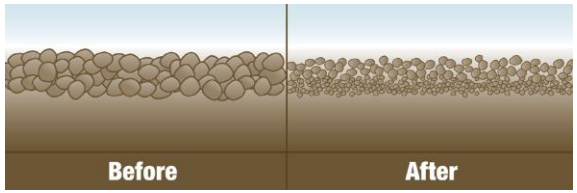
Tongue length adjustments can be made with a simple pin adjustment, making it easy to create the desired turning radius.

Heavy 4x4-inch (102x102-mm) truss tube construction gives the frame added strength and down-pressure for improved leveling and consistent rolling basket depth.

Transport locks are conveniently located on the rear of the unit.

200 Seedbed Finisher Specifications

FRAME	
4x4-in. (102x102-mm) double-truss frame on mainframe, inner wingframe, and outer wingframe; 3x3-in. (76x76-mm) gang tube	
HITCH	
3x6-in. (76x152-mm) tube frame; adjustable clevis hitch; telescoping tongue; storage jack stand	
HYDRAULICS	
Parallel plumbing for lift and fold (1 SCV required); ISO couplers; lift and fold cylinders with hoses	
ROLLING BASKET	
14-in. (356-mm) rollers; spring action; 0.875-in. (22-mm) spiraling rods; Dura-Flex™ bearings	
TIRES	
9.5L-15FI Load Range D	
WORKING WIDTH, TRANSPORT WIDTH	
3-section fold models	
10-ft. (3.1-m) mainframe	Working width: 20 to 25 ft. (6.1 to 7.6 m) Transport width: 14 ft. 4 in. (4.4 m)
15-ft. (4.6-m) mainframe	Working width: 30 ft. (9.1 m) Transport width: 19 ft. 5 in. (5.9 m)
5-section fold models	
10-ft. (3.1-m) mainframe	Working width: 30 ft. (9.1 m) Transport width: 14 ft. 4 in. (4.4 m)
12-ft. 6-in. (3.8-m) mainframe	Working width: 27 ft. 6 in. to 39 ft. 6 in. (8.2 to 12 m) Transport width: 16 ft. 11 in. (5.2 m)
15-ft. (4.6-m) mainframe	Working width: 42 ft. 6 in. to 45 ft. (13 to 13.7 m) Transport width: 19 ft. 5 in. (5.9 m)



The 200 Seedbed Finisher provides the finishing touch to your seedbeds, giving you larger soil particles on the soil surface and finer soil particles in the seed zone.

Service and parts availability as groundbreaking as our tillage parts

We call it the John Deere difference. And it includes innovative parts and service programs that help get you the parts you need when you need them, so you can stay in the field and remain productive. No one has your back like your John Deere dealer... with programs like:

- **Mobile Service.** We can deliver parts and service expertise directly to you – even in the field. So you don't miss a beat.
- **Parts OnSite™ program.** We'll help you keep a regular stockpile of the parts you use most at your operation. We'll even help you with inventory!
- **Online ordering at JDParts.deere.com.** Order on your own schedule, in the comfort of your home or office.
- **Fast access to** parts for other brands.

Turn downtime into uptime with groundbreaking services and parts availability that can make your life a whole lot easier and more rewarding.
See your John Deere dealer today.

DSAA71578 Litho in U.S.A. (17-11)

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