

TIGER-MATE™ 255

FIELD CULTIVATOR

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AGRONOMIC DESIGN™

CASE II

CASE II





TIGER-MATE™ 255

3 Models | Working Widths: 22–60 Ft.

The Tiger-Mate 255 field cultivator creates a high-efficiency seedbed for the most accurate seed placement. This next-generation field cultivator series delivers agronomic advantages with each pass, helping you capitalize on your planter's ideal productivity levels to achieve maximum yield potential.

Available on the Tiger-Mate 255, AFS Soil Command™ tillage technology allows producers to optimize the agronomic quality of their seedbed — right from the tractor cab. With site-specific precision and total implement control, you can match variable tillage treatments to the specific conditions of your field like never before.



TIGER-MATE 255 FIELD CULTIVATOR

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CREATING A POSITIVE ENVIRONMENT FOR AGRONOMIC PERFORMANCE

The Tiger-Mate 255 field cultivator continues the Case IH tradition of superior tillage performance with its Agronomic Design features for ideal seedbed conditions. And now, with AFS Soil Command agronomic control technology, you have the tools to know what's hidden in your fields, so you can make agronomic adjustments.

CROP RESIDUE MANAGEMENT

Built with Case IH Agronomic Design principles, the Tiger-Mate 255 features the combination of split-the-middle sweep pattern and 6.5 in. shank spacing that **provide maximum soil/residue mixing and distribution in all residue environments**. The results? Better soil tilth, healthy root development, and optimal soil and residue incorporation.

SOIL TILTH

The swept-back, high-concavity shank design on the Tiger-Mate 255 helps soil ramp up and explode higher. This **breaks down tough clods and provides better residue mixing** and improves the incorporation of fertilizer and ag chemical applications.

SEEDBED CONDITIONS

The ideal seedbed conditions are created by providing the desired soil levelness, flat floor, weed control and clod sizing for maximum seed-to-soil contact and stand emergence. The Tiger-Mate 255 offers **increased ground speeds** (up to 10 mph) and the rugged shank spring force assembly **improves performance and flexibility in tough, fast-changing conditions**. This increase in shank holding power keeps the sweep parallel to the ground for a flatter subsurface floor and a smoother surface finish, creating a high-efficiency seedbed.



WELCOME TO HIGH-EFFICIENCY FARMING

High-Efficiency Farming ensures seedbed preparation and seed placement accuracy are matched with the ideal speed for your individual field conditions and yield goals. It's not simply working faster. It's about finding the perfect match of tractor, tillage tool and planter to get the most from every field, every season.



Taking care of your seedbed is a **year-round job**. From crop residue distribution out the back of the combine to fall tillage to improving soil tilth, each step in the process leads you closer to the perfect seedbed.

LOOK DEEPER

Seedbed conditions — a core principle of Case IH **Agronomic Design** — affect germination, plant development and, ultimately, yield potential. When you pull your planter through the gate, you expect a field that looks ready to plant — a field with a smooth, consistent soil surface. But the ideal seedbed reaches much deeper. What you can't see is as important as what you can see.

On the surface, the perfect seedbed is level, adequately firm and covered with small clods or a light mulch of crop residue to protect against soil erosion. Below ground, the **subsurface floor** where your planter places the seed

should be even more level, smooth and consistent than the field surface. In between, look for moisture throughout the seedbed depth. You also need soil that is well-mixed, providing the right soil-air-water balance and reliable incorporation. That's exactly what you get with the Tiger-Mate 255 field cultivator — a tillage tool that readies your fields faster and more efficiently than any tillage tool you've experienced.

START FAST, FINISH STRONG

Fields that get off to a quick, uniform start yield better. When Iowa State University Extension specialists compiled and analyzed research from across the Midwest, they found that an uneven corn stand with just 17 percent of the plants emerging late yielded 4 percent to 8 percent less grain.¹ On 200-bushel-per-acre corn, that's 8 to 16 fewer bushels per acre. When lagging plants accounted for half the field, yields dropped by 20 percent.

The Iowa State specialists attribute late-emerging plants to several factors, including:

- Variation in soil temperature
- Seeding depth
- Crop residue distribution
- Soil crusting
- Soil moisture

Whether slicing and sizing the toughest crop residue, breaking through compaction or thoroughly mixing soil to improve soil tilth, the **full line** of Case IH tillage equipment can help you more precisely prepare each field according to your unique preferences. And then you can rely on the Tiger-Mate 255 to create the ideal seedbed and the 2000 series Early Riser[®] planter to perfectly place the seed into that environment.

¹Yield effect of uneven corn heights. Iowa State University Agronomy Extension website. <http://www.agronext.iastate.edu/corn/production/management/early/heights.html>. Accessed March 31, 2016.

HERE'S HOW WE MADE THE INDUSTRY'S LEADING FIELD CULTIVATOR BETTER

Case IH Tiger-Mate field cultivators set the standard for seedbed preparation. The Tiger-Mate 255 builds on this legacy with several enhancements, plus added features and capabilities that help create a planter ready seedbed.



Double-fold units with a **wing wheel retraction feature** — standard on 37.4-, 40.6- and 46-foot models and optional for 51.5-, 55.8- and 60.1-foot versions — to reduce transport width by up to 13 inches.



Poly bushings in all wing and rockshaft pivots, **reduce maintenance for more uptime.**



Harrow options include a **3-bar, spike-tooth** Advanced Conditioning System (ACS) harrow paired with spring or hydraulic down pressure TigerPaw™ Crumbler®. Other options include: **3-bar Extreme Tiger-Tine** ACS with Spring or Hydraulic Down Pressure TigerPaw Crumbler, **2-bar Tiger-Tine** harrow with ACS roundbar Crumbler or a **4-bar Tiger-Tine** harrow. See Page 18 for more information.

The split-the-middle sweep pattern combined with a 6.5-inch shank spacing and 7.5-inch or 9-inch sweeps ensures 100 percent coverage for maximum crop residue mixing in the soil profile, along with thorough chemical incorporation. See Page 19 for more information.

The swept-back, **high-concavity shank** design helps soil explode higher, breaking tough clods and providing more consistent residue movement and better mixing.



The unique **bridge construction frame** is designed for strength and durability yet able to flex through the most difficult terrain.

A **single-point hydraulic depth control** is quick and easy to fine-tune depth to varying fields and conditions. Adjustments are holistic across the unit.



Stubble-resistant radial tires feature reduced compaction, improved flotation and durability in the field and during transport.

The **improved shank assembly** balances the force and flexibility needed to produce a high-efficiency seedbed. The shank remains flexible to adjust to fast-changing conditions and keep sweeps parallel to the ground. *See Page 17 for more information.*



A **floating-hitch** option — available on double-fold units — allows the field cultivator to run independent of the tractor so it better follows the ground contour for improved depth consistency. *See Page 23 for more information.*





UNLOCK YOUR SEEDBED'S AGRONOMIC POTENTIAL WITH **AFS SOIL COMMAND**

In any field condition, **AFS Soil Command** tillage technology adds **site-specific precision to soil management**, unlocking more of a field's agronomic potential. The industry-leading Tiger-Mate 255 field cultivator creates an ideal seedbed, and **AFS Soil Command** helps operators further maximize their environmental, **economic and agronomic performance with total implement control**, as-tilled mapping and the ability to create and execute tillage prescriptions.

COORDINATED CONTROL

AFS Soil Command agronomic control technology allows the **operator to precisely coordinate control of every component** of their Tiger-Mate 255 field cultivator to optimize all machine settings as field conditions change. With **AFS Soil Command**, when the shank depth is adjusted, all other functions of the machine — such as Crumbler pressure and stabilizer wheel position (constant-level only) — react to **remain optimized for peak agronomic performance**.

TILLAGE PRESCRIPTIONS

Prescription technology takes the same variable rate approach you use for seed and fertilizer rates with site-specific tillage to **create a high-efficiency seedbed**. And through **AFS Connect**, you can easily create and export tillage prescriptions sending wirelessly to connected tractor or export to a USB for traditional data sharing. For example, when completing your final spring tillage pass with the Tiger-Mate 255 field cultivator, **AFS Soil Command** tillage prescriptions give producers the ability to **adjust to properly incorporate fertilizer or chemicals, or run shallower to create a perfect seedbed for the planter**.



ADD SITE-SPECIFIC PRECISION TO SOIL MANAGEMENT

With **AFS Soil Command** tillage prescription technology, now you can tailor residue management, residue cover, and clod sizing according to each field's varying conditions and agronomic needs.

SITE-SPECIFIC TILLAGE

- **From conservation to conventional**, prescription technology takes the same variable rate approach you use for seed and fertilizer rates with site-specific tillage and zone management.
- **Vary your practices** based on changing soil types, field conditions and topography.
- **Address a range of soil management challenges** to make every inch of the field an optimal environment for plants, and minimize erosion and preserve moisture where needed.
- **Create a record** of your tillage passes to build a complete picture of your field work for future reference in AFS Connect.

SIMPLE OPERATION

- Developed by the farm manager or an agronomist with the AFS Connect prescription creation tool, predetermined prescription maps **indicate variable conditions as they occur**, prompting automatic machine adjustments.
- With agronomic control technology, coordinated adjustments **ensure the entire machine is set for peak performance** — no matter the operator.
- **Gather and visualize tillage data for better agronomic insights** into your operation with AFS Connect.

PRODUCTIVE & EFFICIENT

- Automatic **adjustments are made quickly and efficiently** as the operator travels across the field.
- **Cover more acres** by varying and increasing speed as conditions allow.
- **Minimize equipment wear and tear — and maximize fuel efficiency** — as the machine is adjusted in conditions that require little to no tillage treatment.

SEEDBED SENSING TECHNOLOGY FOR AN AGRONOMIC SEEDBED FLOOR

Producers can measure and optimize the agronomic quality of their seedbed — right from the tractor cab — with AFS Soil Command seedbed sensing technology. It delivers real-time feedback from the seedbed to help the operator make yield-enhancing adjustments and eliminate the irregularities that lead to an uneven seedbed floor and planter row unit bounce.

MONITOR AGRONOMIC QUALITY

- Built on Agronomic Design principles, **AFS Soil Command** helps producers fix **seedbed issues** before they become an issue for the planter.
- **Optional Seed Bed sensing technology** mounted to select shank assemblies on the Tiger-Mate 255 field cultivator **alert the operator when shanks begin to yield**, resulting in an uneven seedbed floor.
- The AFS Pro 700 and AFS Pro 1200 displays make it **easy for operators of any skill level to effectively monitor the** Tiger-Mate 255 field cultivator.
- Green, yellow or red performance indicators are **simple and easy to understand**.

CREATE A PLANTER READY SEEDBED

A **planter ready seedbed is required for higher-efficiency planting and fast, uniform emergence**. That means a seedbed that has a smooth surface finish and flat seedbed floor where the planter row unit can ride. Each time the field cultivator shank trips or floats, the sweep pivots, creating gouges in the seedbed floor that make the planter row unit bounce. AFS Soil Command with Seedbed Sensing provides a smooth, but not compacted, surface for the planter to ride on as it precisely places each seed.

RELIABLE SENSING TECHNOLOGY

AFS Soil Command **integrates reliable precision technology into each tillage pass**. Factory-installed sensors are seamlessly integrated into the Tiger-Mate 255 field cultivator to provide real-time, quality feedback to the operator on any ISOBUS-VT-compliant display. These sensors are built with dependable AFS components, matching the performance and ruggedness of the field cultivator. **Operators can focus on creating an agronomic seedbed floor**, instead of tending to their machine.





PRODUCTIVITY, CONNECTIVITY AND PROFITABILITY

Understanding every aspect of your operation is the key to improving your bottom line. With AFS Connect, **view your equipment data and agronomic layers in one place** to help you make informed decisions—both in the planning stages for the year and those critical in-season pivots. Plus, with the AFS Connect app, you can successfully **manage your operation anytime, anywhere.**

PLAN YOUR SEASON

Having every pass planned before the year starts can help when it's time to get to the field to begin the work.

- **Review previous years' data** to develop your approach for a new season.
- Develop tillage prescriptions for AFS Soil Command-equipped tools to **work every acre exactly how you want.**
- Send **field data, guidance lines and prescriptions** to connected equipment.

WORK SMARTER BY TRACKING EQUIPMENT

Knowing the status of all your equipment helps you **cover more acres in a day.**

- **Track equipment location** with minute-by-minute updates to plan your next move.
- Receive **push notifications when a tractor enters or exits a set geofence** for up-to-date status on job completion.
- View and compare machine information, such as operating speed and fuel usage, to learn how machines are being used in the field.
- **Access the AFS Pro 1200 display remotely** with Remote Display Viewing to coach operators through setup and operation.

KEEP MOVING IN SEASON

Using all the tools available to you keeps **your operation running at top speed.**

- **Create scouting reports** through the AFS Connect mobile app to keep an eye on certain areas all season long.
- With AFS Connect-equipped machines, **add AFS AccuSync to share machine data in field,** reducing skips and overlaps.
- **View and share reports** and other relevant information with your landlord, agronomic consultant or Case IH dealership.

THE AFS CONNECT FARM APP

View and monitor your equipment and field information in one place, all on your mobile device or tablet.



EQUIPMENT INFORMATION AT YOUR FINGERTIPS

When you have questions about Case IH equipment maintenance, there's no time to lose getting back in the field. **MyCaseIH.com** is your destination for Case IH product support, including free operators manual downloads, AFS training videos, how-to tutorials and maintenance tips to help you through questions or situations you encounter every day.

Create a free MyCaseIH account and use the same login credentials to access the features of AFS Connect and the AFS Connect app today!



AGRONOMIC CONTROL TECHNOLOGY FOR THE PERFECT SEEDBED



OPTIMIZE EVERY PASS

Proven and dependable AFS components integrated into the Tiger-Mate 255 field cultivator **match the performance and ruggedness** of Case IH tillage tools for increased durability, and in-cab controls for each system component allow operators to **make every inch of the field an ideal crop environment**.

- A **properly set shank depth** allows the **Tiger-Mate to precisely condition** the seedbed surface and seedbed floor to create the ideal environment for each seed.
- **Fore and aft levelness** delivers a **consistent seedbed finish** to complement seed placement during planting.
- **Correct crumbler pressure** allows for **consistent clod sizing and finish**.
- **Up to four presets** allow producers to return to settings optimized for field conditions.



New hydraulic fore/aft control (Constant Level only): maintain consistent agronomic output



Shank depth: create an ideal seedbed surface and floor



Crumbler pressure: achieve consistent clod sizing and finish



Internally mounted sensing technology: precise control and feedback



Preset adjustments: maximize every acre



Coordinated control: optimize all tillage components



WHERE FORCE, DURABILITY AND FLEXIBILITY MEET

Our engineers tested and analyzed every component of the Tiger-Mate 255 frame against rigid standards. The result: Stronger construction, yet with the greater flexibility necessary to stand up to tough, fast-changing conditions.

TAKING ON THE TOUGHEST CONDITIONS

Here's how the Tiger-Mate creates the optimal seedbed:

- In high levels of crop residue, it handles **more residue at higher speeds** and provides even distribution for a level soil surface.
- In hard, crusted or cloddy soils, the wider shank positioning and **100 percent sweep coverage** effectively mix soil particles and break down clods.
- In fields with uneven, varying soil types and tough soil profiles, it provides the force and flexibility necessary for a consistent, smooth subsurface floor for more **precise seed placement**.

WIDER SHANK SPACING, WIDER RANGE OF OPERATING SPEEDS

A **6.5-inch shank spacing** improves crop residue flow and distribution across the Tiger-Mate 255. This spacing also allows room for larger, high-flotation tires without sacrificing the split-the-middle sweep pattern or increasing plugging. Plus, 14 inches of trip height clearance for rocks and other obstacles helps you work the toughest fields, and that helps to get your fields worked and your planter rolling.

RAMPED UP TO BREAK DOWN CLODS

The swept-back, high-concavity shank design helps soil ramp up and explode higher. This breaks down tough clods and provides more **consistent residue movement** and more thorough mixing. Better mixing also improves incorporation for more consistent results and a better return on your fertilizer and ag chemical investment.

DURABILITY TO TAKE ON THE TOUGHEST CONDITIONS

Even under ideal field conditions, higher operating speeds increase equipment wear and tear. Our beefed-up shank assembly design stands up to the challenge.

FORCE AND FLEXIBILITY, BALANCED

The shank assembly design on the Tiger-Mate 255 not only provides the consistent, **flat subsurface floor** necessary for fast germination and even emergence but also helps you complete the task faster and more efficiently.

Operating at higher speeds — up to **10 miles per hour** — means faster-changing conditions across the field. We balanced this beefier shank with a proportional increase in spring thickness, so it flexes prior to spring compression and provides a **20 percent increase in holding power**. This **balanced flexing** helps maintain a consistent depth and keep sweeps parallel to the ground and on a level plane from nose to wing even through those compacted areas left by the combine or grain cart.

A Hardened, **dual greaseless pivot-point bushings** last longer and require less maintenance. Plus, dual bushings help ensure the pivot point doesn't gall and wear out, which could allow the shank to move laterally, creating an uneven subsurface floor.

B The **shank stop**, which initially positions the sweep parallel to the ground, is positioned for precise consistency and durability.

C The larger **main shank pivot bolt** holds tight to maintain consistent spring pressure for a level subsurface floor.

D Stronger **compression spring** holds sweep in place during work, while adding protection to the assembly during rocky conditions. Compared to a stretch spring, compression spring retains holding power throughout its life.

E The **shank channel guard** provides stability and even side-to-side loading for enhanced shank durability.

F The **shank** on the Tiger-Mate 255 is thicker (11/16 inch versus the previous 5/8 inch).



CREATING THE OPTIMAL SEEDBED — AT ALL LEVELS

Every component of the field cultivator works in harmony to create a high-efficiency seedbed. Sweeps move soil. But it takes the right design, spacing and alignment to achieve success. Our Tiger-Mate series has earned a reputation for doing exactly that. It's widely recognized as one of the most agronomically sound field cultivators available.

A HIGH-EFFICIENCY PRODUCTIVITY BOOST

The Tiger-Mate 255 features a more open design that allows today's higher crop residue levels to flow more easily and distribute more uniformly, regardless of speed. That means less plugging and a whole lot less operator frustration. We accomplished this productivity boost by **increasing the shank spacing** to 6.5 inches. That expands the minimum side-by-side shank spacing to 26 inches so residue flows more freely and mixes more completely.

DURABLE, LONG LASTING SWEEPS DELIVER MORE UPTIME

Whether you choose to outfit your field cultivator with the **Maxxi-Point™**, **Maxxi-Grip™** or **Maxxi-Point Plus™** sweep, you'll have peace of mind knowing that your sweeps' alloy steel composition delivers increased toughness and longer wear life.

Sweeps are made with special alloy steel and are heat-treated during manufacturing to prevent brittleness and loss of elasticity. This process allows sweeps to withstand the impact of hitting rocks or other obstacles in the field without bending or breaking. That means less time spent replacing broken or worn sweeps and more time preparing the ideal seedbed.

ADVANTAGES

- Sweeps improve soil tilth and provide the proper pore and soil aggregate size and distribution.
- Complete, consistent coverage creates the ideal seedbed — from the surface to the subsurface floor.
- Combination of split-the-middle sweep pattern and 6.5-inch shank spacing provides maximum soil/residue mixing and distribution in all environments.
- High-strength sweeps for increased toughness and a longer life.



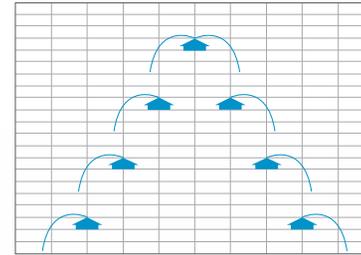
Maxxi-Point sweep, Maxxi-Grip sweep, and Maxxi-Point Plus sweep.

SPLIT-THE-MIDDLE DESIGN

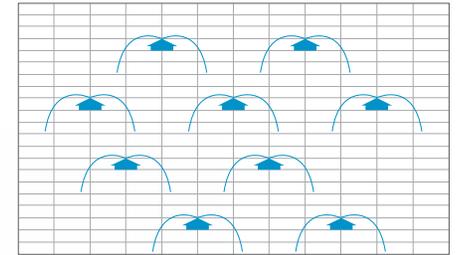
Our **split-the-middle sweep pattern** ensures 100 percent coverage for maximum crop residue mixing in the soil profile. This thoroughness also provides complete nutrient and chemical incorporation. With the 5-bar cut pattern, the sweeps in the first three rows take out a full cut. The last two rows take a smaller cut, removing the middles. As the sweep pattern turns every bit of soil, it promotes better soil tilth and healthy root development.

OPTIMAL SHANK SPACING, BETTER RESIDUE FLOW

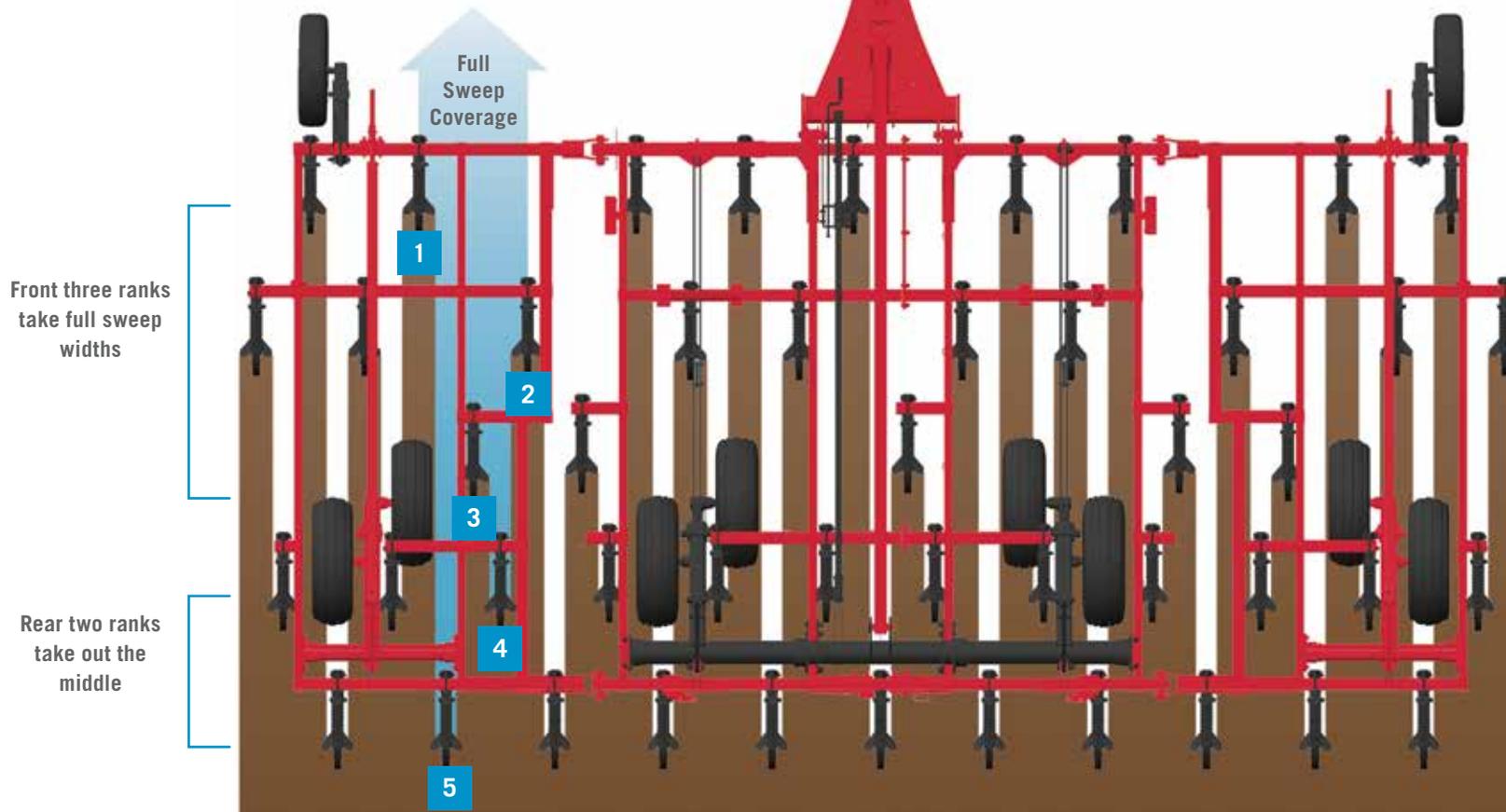
The **five-rank split-the-middle sweep pattern**, 6.5-inch shank spacing and 25 inches of underframe clearance provide space for greater residue flow with reduced plugging. It's an unbeatable combination that provides maximum soil and residue mixing and distribution and chemical incorporating in all residue environments. The first three ranks of sweeps are spaced farther apart than the rear two ranks. This helps flow more residue.



The standard V-pattern shank alignment causes uneven soil and residue flow and mixing and unbalanced sweep wear.



With the split-the-middle design, soil and crop residue flow equally around the sweeps for even, consistent soil and residue flow and mixing and a longer sweep lifespan.



DESIGNED TO KEEP YOU ROLLING

High-efficiency seedbed preparation is about more than miles per hour. It's about less downtime and more uptime. Less time spent lubricating and adjusting. Fewer hours repairing and fighting plugs.





BUILT-IN LONGEVITY

Welded bridge construction eliminates most butt-end welds and is **designed for strength and durability** yet able to flex through the most difficult terrain unlike competitive field cultivators that rely on 4-by-4-inch tubes and butt-end welds.

HIGHER CLEARANCE, HIGHER PRODUCTIVITY

Today's hybrids produce more, tougher crop residue than ever. Building a stronger frame allowed us to provide **25 inches of underframe clearance** to keep residue flowing at higher speeds. That keeps you moving and helps make you more productive than ever.

AN INDUSTRY FIRST: RADIAL TIRES

- Radial tires are standard and exclusive to the Tiger-Mate 255.
- Extremely reliable and stubble-resistant.
- Up to a 70 percent increase in footprint, compared with Bias Ply tires (9.5L x 15).
- Improved flotation and reduced compaction.
- Durability pays off in the field and during transport.



DURABILITY AND CONVENIENCE WITHOUT SACRIFICE

Our engineers tested and analyzed every component of the Tiger-Mate 255 frame against rigid standards. **The result: Stronger construction, yet with the greater flexibility necessary to stand up to tough, fast-changing conditions.**

EASY ADJUSTMENTS HELP MAINTAIN AN EVEN KEEL

- **Single-point hydraulic depth control** lets you quickly and easily adjust for fast-changing conditions within a field or across your farm.
- Maintains **equal depth across the entire field** cultivator, including the wings.
- **Tool-free turnbuckle** provides easy leveling of the wings to the mainframe.
- A separate tool-free turnbuckle on units equipped with the constant-level hitch provides **convenient fore and aft leveling** to adjust to tractor hitch height.

BUILT-IN STABILITY

- **Walking tandems and gauge wheels** on the main frame and wings provide a smooth ride and reduce compaction, wing bounce and nosing.
- Walking-tandem design **offers balance and stability** for a more consistent seedbed.
- **Greaseless bushings** on the wing wheel pivots increase uptime.
- **Radial Stabilizer wheels** on every wing section provide additional stability and levelness over obstacles.
- An **available pivoting stabilizer wheel** on wing sections is a good choice for contour farming. (Optional on constant-level hitch units)

REDUCED MAINTENANCE, INCREASED UPTIME

- Durable construction and welded cylinders mean **greater reliability**.
- **Greaseless bearings and bushings** displace over 40 grease points on the double-fold unit and over 20 points on the single-fold models.
- Each displaced grease point **saves about 1 minute in time to access and grease**.
- Equates to 40 acres of productivity gained with the 60-foot model, assuming a ground speed that allows you to **cover approximately 1 acre per minute**.
- Remaining grease points require only annual grease intervals, so you **spend your time in the field**, rather than maintaining your Tiger-Mate field cultivator.

FLOATING HITCH ALLOWS BETTER FOLLOWING

- **Floating-hitch option**, available on double-fold units, allows the Tiger-Mate 255 to operate independently of the tractor.
- Hitch pivots with the tractor over tough spots, but it lets the implement follow the ground for **more consistently accurate depth across uneven terrain**.
- T-bone hitch (on all models) allows for **sharper, more efficient turning** and a tighter turn radius.

WHICH HITCH DO I PICK?

- **Floating hitch, best for:**
 - Rougher, extreme rolling terrain
 - Waterways, ditches and terraces
 - Uneven ground
- **Constant-level hitch, best for:**
 - Relatively consistent rolling terrain
 - Level terrain

REAR HITCH AGRONOMIC CAPABILITIES

- Rear hitch option accommodates an **additional towed conditioning system**.
- Enhances seedbed preparation **without an added pass across the field**.
- **Capacity to tow a dual crumbler** soil conditioning system.



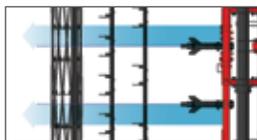


THE PERFECT FINISH

When it comes to tillage equipment, there may be no more personal choice than the finishing tool on the back of the unit. We let you pick the option that best provides the finish you desire. Select from our lineup of harrows to put the finishing touches on your seedbed.

2-BAR TIGER-TINE ACS HARROW WITH ROUND BAR CRUMBLER:

- Provides moderate clod sizing and seedbed firming.
- Indexed tines **improve soil leveling**.
- Parallel linkage and non-linked tine bars eliminate depth and level setting.
- **Ideal for mellow or sandy loam soils** found in prairie type soils.
- ACS 2-bar layout: 5 tines uniformly in contact with soil. *(measured from shank centerline)*



3-BAR SPIKE-TOOTH ADVANCED CONDITIONING SYSTEM (ACS) HARROW WITH SPRING DOWN PRESSURE TIGERPAW CRUMBLER:

- ACS combination **aggressively breaks up clods, evenly distributes crop residue and levels the soil** for a smoother surface finish.
- Front rank of spikes are **adjustable to match ground conditions**.
- TigerPaw Crumbler features a formed bar for **greater clod-busting power** and excellent durability.
- Best choice for tough clods in forest soils prone to clodiness.

4-BAR TIGER-TINE HARROW:

- Three tine angle position adjustments.
- Indexed tines improve soil leveling.
- Parallel linkage and non-linked tine bars **eliminate depth and level setting**.

ADDITIONAL HARROW OPTIONS

Three additional Advanced Conditioning System (ACS) harrow options are available on the Tiger-Mate 255 that provide flexibility to match tough soil conditions. The additional tines on the Extreme Tiger-Tine harrows provide more leveling and residue flow.

3-BAR SPIKE-TOOTH ACS HARROW WITH HYDRAULIC DOWN PRESSURE TIGERPAW CRUMBLER:

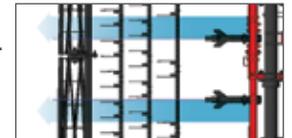
- Same great features as 3-bar spike-tooth ACS but with hydraulic down pressure.
- The patented hydraulic down pressure system offers fast, easy and independent adjustment of each section.
- The TigerPaw Crumbler may be placed in float or lifted on the go to avoid wet spots from the tractor cab.
- Ideal for tough clods in forest soils prone to cloudiness.

3-BAR EXTREME TIGER-TINE ACS HARROW WITH SPRING DOWN PRESSURE TIGERPAW CRUMBLER:

- 3-bar design and twice as many tines as the 2-bar ACS version, improves soil leveling.
- Extreme Tiger-Tines are **redesigned for additional flexibility**, allowing residue to filter through the tines yet keep maximum leveling.
- Four tine angle positions allow you to **adjust soil smoothness to your preference** adjustments.
- Large 14-inch Tiger-Paw Crumbler **pulverizes the soil, reducing clod sizes**.
- Ideal for prairie soils and heavy residue.

3-BAR EXTREME TIGER-TINE ACS HARROW WITH HYDRAULIC DOWN PRESSURE TIGERPAW CRUMBLER:

- Same great features as 3-bar Extreme Tiger-Tine ACS harrow, but with hydraulic down pressure.
- The **patented hydraulic down pressure system** offers fast, easy and independent adjustment of each section.
- The TigerPaw Crumbler may be placed in float or lifted on the go to avoid wet spots from the tractor cab.
- Ideal for prairie soils and heavy residue.
- ACS 3-bar layout: 10 tines uniformly in contact with soil.
(measured from shank centerline)





FRAME TYPE	SINGLE FOLD (CONSTANT-LEVEL HITCH)						DOUBLE FOLD (CONSTANT-LEVEL HITCH)						DOUBLE FOLD (FLOATING HITCH)							
WORKING WIDTHS	22 FT. 2 IN. (6.8 M)	25 FT. 6 IN. (7.8 M)	28 FT. 8 IN. (8.7 M)	32 FT. (9.8 M) NARROW TRANSPORT	32 FT. (9.8 M) LOW TRANSPORT	35 FT. 2 IN. (10.7 M)	37 FT. 5 IN. (11.4 M)	40 FT. 7 IN. (12.4 M)	46 FT. (14 M)	51 FT. 6 IN. (15.7 M)	55 FT. 10 IN. (17 M)	60 FT. 1 IN. (18.3 M)	37 FT. 5 IN. (11.4 M)	40 FT. 7 IN. (12.4 M)	46 FT. (14 M)	51 FT. 6 IN. (15.7 M)	55 FT. 10 IN. (17 M)	60 FT. 1 IN. (18.3 M)		
Main Frame Width	11.5 ft. (3.5 m)			13.5 ft. (4.1 m)			11.5 ft. (3.5 m)			13.5 ft. (4.1 m)			11.5 ft. (3.5 m)			13.5 ft. (4.1 m)				
Wing Size	6 ft. (1.8 m)		8 ft. (2.4 m)	10 ft. (3 m)		8 ft. (2.4 m)	10 ft. (3 m)		8 ft. (2.4 m)		10 ft. (3 m)		11 ft. (3.4 m)		8 ft. (2.4 m)		10 ft. (3 m)		11 ft. (3.4 m)	
Transport Width (At outer Shank / At Folded Wing Tandems)	14 ft. 11 in. (4.5 m) / N/A			17 ft. (5.2 m) / N/A			15 ft. 7 in. (4.8 m)			17 ft. 9 in. (5.4 m) / 19 ft. (5.8 m)		17 ft. 9 in. (5.4 m) / 18 ft. 7 in. (5.7 m)		15 ft. 7 in. (4.8 m)			17 ft. 9 in. (5.4 m) / 19 ft. (5.8 m)		17 ft. 9 in. (5.4 m) / 18 ft. 7 in. (5.7 m)	
Transport Width w/ Narrow Transport (Wing Wheel Retraction) Option	N/A						15 ft. 7 in. (4.8 m)			17 ft. 9 in. (5.4 m)			15 ft. 7 in. (4.8 m)			17 ft. 9 in. (5.4 m)				
Transport Height	10 ft. 2 in. (3.1 m)	11 ft. 1 in. (3.4 m)	12 ft. 6 in. (3.8 m)	14 ft. 2 in. (4.3 m)	12 ft. 6 in. (3.8 m)	14 ft. 2 in. (4.3 m)	12 ft. 3 in. (3.7 m)		13 ft. 5 in. (4.1 m)		15 ft. 6 in. (4.7 m)		12 ft. 3 in. (3.7 m)		13 ft. 5 in. (4.1 m)		15 ft. 6 in. (4.7 m)			
Length (w/o Harrow)	23 ft. 1 in. (7 m)						25 ft. 10 in. (7.86 m)			26 ft. (7.9 m)			29 ft. 8 in. (9 m)			29 ft. 11 in. (9.1 m)				
Max. Length (w/Harrow)	28 ft. 10 in. (8.78 m)						31 ft. 7 in. (9.6 m)			31 ft. 10 in. (9.7 m)			35 ft. 6 in. (10.9 m)			35 ft. 7 in. (10.9 m)				
Number of Shanks	41	47	53	59		65	69	75	85	95	103	111	69	75	85	95	103	111		
Weight	8,440 lb. (3828 kg)	8,700 lb. (3946 kg)	9,460 lb. (4291 kg)	9,920 lb. (4500 kg)		10,440 lb. (4736 kg)	15,725 lb. (7133 kg)	15,850 lb. (7189 kg)	17,400 lb. (7893 kg)	18,320 lb. (8310 kg)	19,750 lb. (8958 kg)	20,170 lb. (9149 kg)	17,950 lb. (8142 kg)	18,280 lb. (8292 kg)	19,010 lb. (8623 kg)	19,990 lb. (9067 kg)	21,460 lb. (9734 kg)	21,860 lb. (9916 kg)		
Drawbar Hitch Category	III			IV			V			IV			V							
Main Frame Tire Options	Standard: high-flotation 280/70R15 radial (Qty. 4) Optional: 9.5L-15 FI (Qty. 4) 6 bolt hubs						Standard: high-flotation 380/60R16.5 radial (Qty. 4) Optional: 12.5L-15 FI (Qty. 4) 8 bolt hubs			Standard: high-flotation 380/60R16.5 radial (Qty. 4) 8 bolt hubs			Standard: high-flotation 380/60R16.5 radial (Qty. 4) Optional: 12.5L-15 FI (Qty. 4) 8 bolt hubs			Standard: high-flotation 380/60R16.5 radial (Qty. 4) 8 bolt hubs				
Wing Tire Options	Standard: high-flotation 280/70R15 radial (Qty. 4) Optional: 9.5L-15 8-ply (Qty. 4) 6 bolt hubs						Standard: high-flotation 280/70R15 radial (Qty. 8) Optional: 9.5L-15 8-ply (Qty. 8) 6 bolt hubs						Standard: high-flotation 280/70R15 radial (Qty. 8) Optional: 9.5L-15 8-ply (Qty. 8) 6 bolt hubs							
Stabilizer Wheels	All wing sections: standard non-pivoting 5.90 × 15 (4-ply tubeless) tire size / optional: single-direction pivoting 7.60 × 15 (6 PR tubeless)						All wing sections: standard non-pivoting 5.90 × 15 (4-ply tubeless) tire size / optional: single-direction pivoting 7.60 × 15 (6 PR tubeless)						Main frame and all wing sections: standard castoring high-flotation - 280/80R15 radial / optional castoring 9.5L × 15 FI (Main Frame), 8-ply (wings) tires							
Hitch System	Constant-level T-hitch with easy adjust front turnbuckle; swinging hose stand with operators manual storage												Floating T-hitch with easy adjust turnbuckle adjustment at each wing and mounted wrench on main frame; swinging hose stand with operators manual storage							
Wing Wheel Retraction (For Narrow Transport)	N/A						Standard			Optional			Standard			Optional				

SPECIFICATIONS	
Main Frame	Bridge frame construction. Five ranks of 3 × 4 in. (76 × 102 mm) side-to-side and double 2 × 2 in. (51 × 51 mm) and 2 × 3 in. (51 × 76.2 mm) fore/aft structural members. Minimum rank spacing is 30 in. (762 mm) Total front to rear main bar is 131 in. (3327 mm)
Shanks	Split-the-middle sweep pattern. 6.5 in. (165 mm) shank spacing. 11/16 in. × 1-3/4 in. (17.5 × 44.45 mm) shanks. Compression spring design with 180 lb. (68 kg) trip force and 14 in. (356 mm) trip height. Replaceable, double-hardened bushings used at shank pivot and spring slide area. Standard HD shank support channel
Sweeps	Standard: 7.5 in. (190.5 mm) Maxi-Grip knock-on, optional: 7.3 in. (185.4 mm) long nose Maxi-Point bolt-on, 7.3 in. (185.4 mm) Maxi-Point Plus knock-on; 9 in. (228.6 mm) Maxi-Grip knock-on, 9.3 in. (236.2 mm) long nose Maxi-Point bolt-on
Depth Control System	Hydraulic single-point depth control. Maximum working depth 6 in. (152.4 mm); Optional AFS Soil Command control technology
Leveling System	Turnbuckle adjustment (no tools required); Optional hydraulic with AFS Soil Command control technology
Hydraulics	3,000 psi hydraulic welded cylinders, hoses and fittings. Male ISO couplers on hydraulic hoses to tractor; Optional AFS Soil Command — up to 3 remotes and power beyond required
Transport Lighting	ASABE standard LED warning and taillights with 7-pin connector. SMV emblem and reflectors. ASAE highway transport chain
Hubs and Spindles	Walking beam axles on both mainframe (greaseable) and wings (greaseless). Replaceable spindles on all walking beam axles
Horsepower Requirements	Varies with soil conditions and depth of tillage. 5-10 engine hp per foot or 2.5-5.5 engine hp per shank.
Recommended Operating Speeds	Recommended operating speed is 5.5 – 10 mph. ACS harrows only, Field conditions must be evaluated before operating above 8 mph.
Harrow Options	4-bar coil tine (16 in. Tiger-Tine) / ACS 3-bar spike with spring or hydraulic TigerPaw Crumbler [60 – 80 lb. per ft. (27.2 – 36.3 kg per 0.3 m) down force] / ACS 2-bar Tiger-Tine with round bar rolling Crumbler [60 – 80 lb. per ft. (27.2 – 36.3 kg per 0.3 m) down force] / 3-bar Extreme Tiger-Tine ACS harrow with spring or hydraulic TigerPaw Crumbler [60 – 80 lb. per ft. (27.2 – 36.3 kg per 0.3 m) down force]



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