

ECOLO-TIGER 875 DISK RIPPER



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DISK RIPPER







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4 Models | Working Widths From 14–26 Feet

THE FIRST STEP IN CREATING OPTIMAL SOIL CONDITIONS.

The Ecolo-Tiger 875 sizes and mixes crop residue for nutrient release that's in sync with crop demands. It reestablishes pore space, improves internal drainage and increases water-holding capacity. And it creates level soil conditions to provide a high-yield environment for plants. The result is industry-leading productivity and agronomic advantages for a superior soil finish you expect from Case IH.

Available on the Ecolo-Tiger 875, 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.

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# CREATING A POSITIVE ENVIRONMENT FOR AGRONOMIC PERFORMANCE.

More than 40 years of mulch-till leadership stands behind the Case IH Ecolo-Tiger 875 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.

Case IH disk rippers help you cut, size and mix crop residue to reduce erosion and increase production capacity. This **effective crop residue management** allows you to increase organic-matter content in the soil. This provides a soil/residue mixture that allows moisture to penetrate the subsoil faster and decreases erosion through improved porosity and drainage.

## SOIL TILTH.

Ideal soil composition — known as soil tilth — is **50 percent soil and 50 percent pore space**, with water and air equally distributed within the pore space. Soil compaction eliminates this needed pore space and is a common yield-robbing culprit. Proper primary tillage using a Case IH disk ripper effectively **fractures compaction to increase soil tilth** encouraging vigorous root development which promotes better stands and higher-yielding plants. You will see **soil warm faster and more evenly for earlier spring planting**, increased water absorption and a reduction in ponding.

## SEEDBED CONDITIONS.

Case IH disk rippers give you the flexibility to **finish the field to match your farming practices**. Creating a first-pass soil surface that settles level prior to secondary tillage and planting maximizes each plant's yield potential leading to a more uniform plant stand.

See pages 8-11 for more information on AFS Soil Command agronomic control technology.





# MAKING THE PERFECT SEEDBED.

In more than five years of extensive field research, Case IH found that up to 10 percent of a stand can be in jeopardy if soil clods are too big or if holes they roll out of are left in the field. Clod and valley sizes should be 6 inches or less in prairie soils and 4.5 inches or less in forest soils when coming out the back of a tillage pass in the fall.

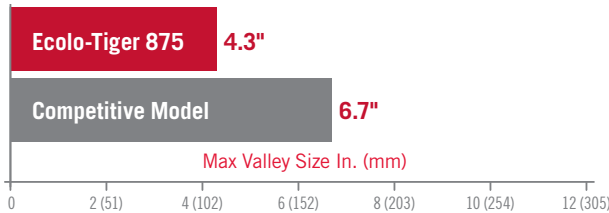


## SOIL QUALITY FOR STAND AND PLANT PERFORMANCE.

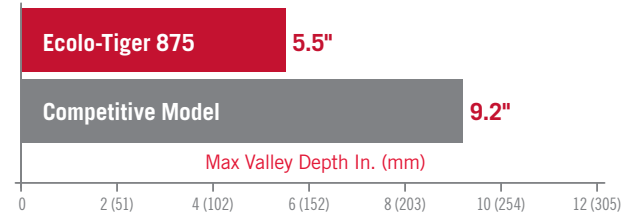
Maximizing yield potential starts at the time of primary tillage. And one of the most critical elements is soil output. Case IH has discovered that growers can dramatically reduce the risk of emergence problems in the spring by reducing both clod and valley sizes out the back of a tillage pass in the fall.

Large clods leave holes, which are detrimental to seeds. The different heights in the soil surface result in variable moisture and temperature levels, with the holes staying wet and cold — one of the reasons for slow, uneven germination of seeds. The Ecolo-Tiger handles today's realities of high plant population, tough Bt corn residue and earlier planting dates, providing aggressive residue sizing and mixing for more rapid nutrient cycling.

## MAXIMUM CLOD SIZE AFTER PRIMARY TILLAGE.



## MAXIMUM VALLEY SIZE AFTER PRIMARY TILLAGE.





### HIGH-DENSITY TIGER POINTS.

Redesigned Tiger Points run 1 inch under the compaction layer and deliver the proven Case IH lift-twist-roll soil action. This is accomplished with less draft, creating smoother fields, better soil tilth for improved drainage and water-holding capacity and extending point life.

Three tip options are available:

- 2-inch welded chromium carbide capped tip
- 7-inch welded chromium carbide capped tip
- 7-inch replaceable tip



### UNIQUE DOUBLE-EDGE TIGERPAW™ CRUMBLER®.

Each bar on the Crumbler has two edges which provides industry-leading soil leveling output to reduce clod size to 6 inches or less. This results in less risk of emergence problems and the ability to maintain adequate soil structure. The optional Crumbler can also be positioned hydraulically from the cab. Three positions are available: Spring Downforce Applied, Float (moist/wet conditions) and Raised.



### TWO DISK OPTIONS.

Individual 24-inch Earth Metal® disk blades on 15-inch centers for 7.5-inch index spacing. This combination allows soil and residue cutting and flow in heavy, wet soils while protecting the blades in rocky conditions.

Disk gangs feature 26-inch Earth Metal blades that resist warping and are spaced 12 inches apart for maximum mixing, cutting and residue sizing.





## 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 Ecolo-Tiger 875 takes the first step toward 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.**

Optimizing all machine settings, AFS Soil Command agronomic control technology allows the operator to precisely coordinate control of every component of their Ecolo-Tiger 875 disk ripper as field conditions change. With AFS Soil Command, when the shank depth is adjusted, all other functions of the machine — fore/aft leveling, disk gang depth, leveler depth, Crumbler pressure and stabilizer wheel position (13-shank) — 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. For example, when paired with the Ecolo-Tiger 875 disk ripper, tillage prescriptions give producers the ability to automatically adjust disk depth to decrease or increase the amount of residue cover.

# OPTIMIZE EVERY PASS.

Proven and dependable AFS components match the performance and ruggedness of the Ecolo-Tiger 875 disk ripper for increased durability. Tillage prescriptions technology and in-cab controls for each system component help operators make every inch of the field an ideal crop environment.



## SITE-SPECIFIC TILLAGE.

- With AFS Soil Command tillage prescription technology, you can match variable tillage treatments to your fields' specific conditions — from residue management and compaction removal to improving soil conservation and minimizing erosion.
- Address a range of soil management challenges to make every inch of the field an optimal environment for plants.
- Developed by the farm manager or agronomist, predetermined prescription maps indicate variable conditions as they occur to prompt automatic machine adjustments.

## AGRONOMICALLY CORRECT ADJUSTMENTS.

- A properly set shank depth allows the Ecolo-Tiger 875 disk ripper to precisely fracture the compaction layer to maximize water infiltration and fertilizer mixing and encourage proper root growth.
- Disk gang depth adjustments maximize cutting and soil mixing. A spring pack position sensor advises the operator if the gang is being overpressured so corrections can be made before damage occurs.
- Fore and aft levelness delivers a consistent seedbed finish to complement seed placement during planting.
- Wing stabilizer wheel control provides simple and easy adjustment of the stabilizer wheels when shank depth is changed (13-shank only).
- Adjustable Crumbler pressure allows for consistent clod sizing and finish, soil particle stratification and surface leveling.



New hydraulic fore/aft positioning: maintain consistent agronomic output



Disk gang pressure: reduce pressure on frame



Disk gang depth: create agronomic residue cover



Shank depth: target the compaction layer



5 Crumbler pressure: achieve consistent clod sizing



6 Coordinated control: optimize all components



# PRODUCTIVE PERFORMANCE. AGRONOMIC RESULTS.

As the most aggressive disk ripper on the market, the Ecolo-Tiger 875 offers excellent residue flow thanks to impressive disk-cutting power and shank positioning. The high, 38-inch underframe and minimum 36-inch spacing between shank points maximizes material flow and minimizes plugging. Because of the shank fore/aft positioning on the 875 Ecolo-Tiger, the actual spacing between each shank is 36 inches, and in many cases it's 48-inches, for maximum throughput and productivity.

## ■ STRONGER FRAME CONNECTIONS.

Overlapping weld joints and gussets add additional support to stress point.



## ■ GET MORE DONE.

Industry-leading 7 mph operating speed saves time and optimizes the power of your tractor.



## ■ DOUBLE-EDGE TIGERPAW CRUMBLER.

Size clods and put the finishing touches to the fall seedbed for an ideal spring condition for high-efficiency planting.

Other options include:

- No harrow (Leveler only)
- 5-bar spike harrow
- HD Coil Tine harrow



## ■ HYDRAULIC DISK LEVELER.

Opposing leveling disks mounted on a common mount fill in the shank paths for a smooth finish.

## ■ ACHIEVE IDEAL SOIL TILTH.

Spring reset or shear bolt shank spaced at 24-in. (610 mm) matches your field conditions.



## ■ LONG LIFE, DURABLE TIGER POINTS.

High-strength, high-wearing Tiger Points deliver the proven Case IH lift-twist-roll soil action. They deliver three times the point life and are up to five times more durable than previous designs.



■ **X-DISK FRAME EASILY HANDLES CROP RESIDUE.**

Aggressively size and mix residue for rapid nutrient cycling. Soil and residue are cut and mixed by the first rank, followed by the rear rank to leave a uniform mixture of soil and residue. Disks are set at a 15-degree angle, allowing for more soil turning and machine stability.

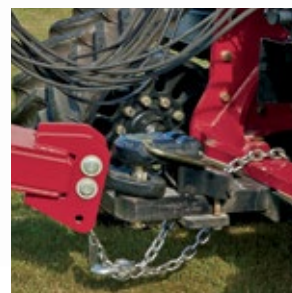
■ **MORE IMPACT RESISTANT.**

Full-coverage powder coat paint finish provides more resistance to impact, scratching and paint fading.



■ **EARTH METAL DISK GANGS.**

Spools between the Earth Metal blades add weight to increase cutting pressure and clearance for residue flow to the gangs. The scraper assembly keeps the gang flowing free and prevents plugging with mud and other accumulations.



■ **EASE OF TRANSPORT.**

Narrow transport widths make it possible to get from field to field faster. It's also easy to change tractors thanks to a welded pull-hitch design that eliminates the need for complex clevis hitches with multiple holes and positions.

# WELCOME TO HIGH-EFFICIENCY FARMING.

When you consider all of the factors that go into raising a top-yielding crop, High-Efficiency Farming, simply put, means making the most of soil, seed and equipment to maximize yield potential.



## HERE'S ONE EXAMPLE OF HOW CASE IH CAN HELP BRING TOGETHER THESE ELEMENTS ON YOUR FARM:

- Step 1** — Harvest: Even crop-residue distribution with your **Axial-Flow® series combine**
- Step 2** — Fall Tillage: Break up large clods with your **Ecolo-Tiger series disk ripper**
- Step 3** — Spring Preparation: Create a smooth, level seedbed with your **Tiger-Mate™ 255 field cultivator**
- Step 4** — Plant: Accurately place seed with your **2000 series Early Riser® planter**
- Step 5** — Feed and Protect: Precisely apply with your **Nutri-Placer® applicators** and **Patriot® series sprayers**

Small improvements can yield big dividends. Consider how a better fall tillage regimen might save a trip across the field come spring. Or how more efficient horsepower across even just a few hundred acres can cut fuel expenses.

High-Efficiency Farming encompasses every aspect of your operation. From managing inputs to maximizing outputs and from breaking through the status quo to shattering long-held assumptions, High-Efficiency Farming is about making the most of your season, soil and equipment.

MODEL		ECOLO-TIGER 875 DISK RIPPER			
WEIGHT	7-SHANK MACHINE	9-SHANK MACHINE	11-SHANK MACHINE	13-SHANK MACHINE	
Approximate with Disk Gangs, S/R Shanks and Reels	14,470 lb. (6 560 kg)	20,000 lb. (9 070 kg)	25,220 lb. (11 440 kg)	28,200 lb. (12 790 kg)	
TRANSPORT STYLE					
Main Frame/Overall Length with Crumbler	33 ft. 4 in. (10.19 m)		33 ft. 9 in. (10.59 m)		
Working Width	14 ft. (4.27 m)	18 ft. (5.49 m)	22 ft. (6.71 m)	26 ft. (7.92 m)	
Transport Width	16 ft. (4.88 m)	16 ft. 9 in. (5.10 m)		18 ft. (5.5 m)	
Wheels	Single 425/65R×22.5 recapped truck tires; Optional Single VF 445-65R22.5 stubble resistant radial tires		Walking tandem 16.5L×16.1 FI, Load Range E, with tubes. Option walking tandem 440/55R18 stubble resistant radial tires		
TRACTOR REQUIREMENTS					
PTO Horsepower per Foot	18 to 20 Hp (44 to 49 kW/m)				
PTO Horsepower per Shank	35 to 40 Hp (86 to 98 kW/m)				
Operating Speed	5 to 7 mph (8 to 11 km/h) recommended				
BLADES					
Blade Protection	Cushion mounted blades plus a frame that lifts against a spring loaded relief that automatically resets when obstruction is cleared				
Individual Mounted Blades	1 C-hanger per blade (Optional C-hanger flex protection)				
Gang Mounted Blades	Multiple C-hangers per gang with scrapers				
EARTH METAL® DISK BLADES					
Individual Option	24 in. (610 mm) diameter individually mounted on 15 in. (381 mm) centers				
Trunion Gang Option	26 in. (660 mm) diameter concave gang mounted on 12 in. (305 mm) centers , 1.5 in. (38 mm), round spring steel				
SHANK MOUNT ASSEMBLY					
Shear Bolt Shank Protection	24 in. (610 mm) effective spacing, ideal for rock-free fields. (Optional reversible shank shin available)				
Auto-Reset Shank Protection	24 in. (610 mm) effective spacing, ideal for rocky conditions. (Optional reversible shank shin available)				
Auto-Reset	13 in. (330 mm) of trip clearance, hardened pins and composite bushings				
Auto-Reset and Shear Bolt	5/8 in. (16 mm) diameter grade 5 shear bolt				
GROUND-ENGAGING SHANKS AND POINTS					
Shanks	1-¼ × 4 in. (32 × 102 mm), optional wear shin				
Shank Points	Chromium carbide capped Tiger Points				
SOIL FINISHING OPTIONS					
Hydraulic Disk Leveler	Opposing blades on a common arm for general all-purpose leveling				
Hydraulic Disk Leveler plus Optional Double-edge, Mounted Crumbler	Excels in well-drained soil conditions: TigerPaw Crumbler is available with mechanical or hydraulic positioning				
Hydraulic Disk Leveler plus Optional Spike Harrow or Coil Tine Harrow	Choose option that's right for your prevailing soil and weather conditions				



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