

# ECOLO-TIGER® 875 DISK RIPPER

**CASE IH**  
AGRICULTURE





## THE FIRST STEP IN CREATING OPTIMAL SOIL CONDITIONS

More than 40 years of mulch-till leadership stands behind the all-new Case IH Ecolo-Tiger 875. It sizes and mixes crop residue for nutrient release in sync with crop demands. The Ecolo-Tiger 875 reestablishes pore space, improves internal drainage and increases water holding capacity and creates level soil conditions to provide a high-yield environment for plants. The result is industry-leading productivity, superior soil quality and the rugged durability you expect from Case IH.

**BE READY**







**THE ECOLO-TIGER 875**

**PRODUCTIVE**

**RUGGED DESIGN**

**PRODUCT SPECIFICATIONS**

4-5

6

7

8



## 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. The Ecolo-Tiger handles today's realities of high plant population, tough corn residue and earlier planting dates, providing aggressive residue sizing and mixing for more rapid nutrient cycling.







### X-DISK FRAME EASILY HANDLES CROP RESIDUE

To maximize yield potential, the X-disk frame configuration aggressively sizes and mixes 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.



### UNIQUE DOUBLE-EDGE REEL

Each bar on the reel has two edges which provides industry-leading soil leveling output to reduce clod size to 15 centimeters (6 in.) or less. This results in less risk of emergence problems and the ability to maintain adequate soil structure. The optional reel can also be positioned hydraulically from the cab. Three positions are available: Down Force Applied, Float (moist/wet conditions) and Raised.



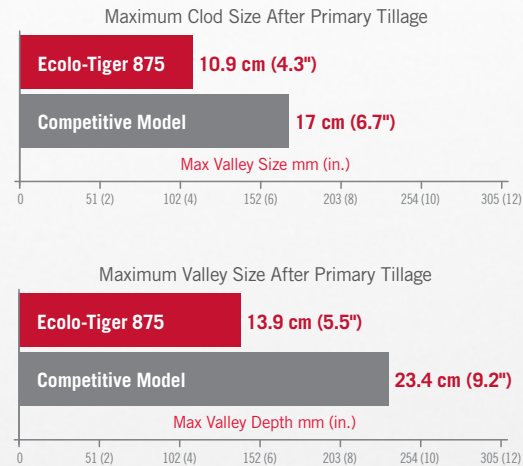
### TWO DISK OPTIONS

Individual 60.1 centimeter (24 in.) Earth Metal disk blades on 38.1 centimeter (19 centimeter (7.5 in.) centers for 7.5-inch index spacing. This combination of sizing and spacing lets blades cut and size residue and mix it with soil. Disk gangs feature 19 centimeter (7.5 in.) Earth Metal blades that resist warping and are spaced 30.5 centimeters (12 in.) apart for increased mixing, cutting and residue sizing.

### MAKING THE PERFECT SEED BED

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 15 centimeters (6 in.) or less in prairie soils and 11.4 centimeters (4.5 in.) or less in forest soils when coming 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.





## PRODUCTIVE PERFORMANCE

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, 96.5 centimeters (38 in.) underframe and minimum 91.4 centimeters (36 in.) spacing between shank points maximizes material flow and minimizes plugging.

For ideal soil tilth, normally the effective spacing between shank points is 60.9 centimeters (24 inches). Because of the shank fore/aft positioning on the 875 Ecolo-Tiger, the actual spacing between each shank is 91.4 cm (36 in.), and in many cases it's 121.9 centimeters (48 inches), for maximum throughput and productivity.

### INDUSTRY'S WIDEST WEATHER WINDOW

Disk gangs feature spools between the Earth Metal blades, which 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, giving growers a wide weather envelope in which to operate.

### GET MORE DONE

Industry-leading 11 kph (7 mph) operating speed saves time and optimizes the power of your tractor. Four working widths are available to match a wide range of tractor horsepower—from larger mechanical front-wheel-drive tractors to the largest wheel or tracked tractors.

### 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.



The scraper assembly keeps the gang flowing free and prevents plugging.



## QUALITY WITHOUT COMPROMISE

Case IH engineers have taken the proven Ecolo-Tiger design and given it even more cutting power. It features stronger, Earth Metal blades and high-density, tighter-fitting Tiger points. The welded, heavy-duty frame and longer-life components are now covered with a best-in-class powder coat finish, creating greater chip-resistance to this all-around rugged machine.

### EXTENDED LIFE

Redesigned high-density Tiger Points run 2.5 centimeters (1-2 in.) under hardpan compaction and deliver the proven Case IH lift-twist-roll action, but with less draft, creating smoother fields and extending point life with up to 350 percent more durability than previous designs. Available in three options: 5.1 cm (2 in.) tip, redesigned 17.8 centimeter (7 in.) welded chromium carbide capped tip and 17.8 centimeter (7 in.) replaceable tip.



### MORE IMPACT

New aquant priming and powder coat paint finish provides 400 percent more resistance to impact, scratching and paint fading compared to prior models. Every surface, inside and out, is cleaned and coated with a corrosion preventing primer. After drying, an ultra-durable powder-coat layer of paint is applied. Powder coatings slow wearing with up to 50 percent higher chip resistance and 2.5 times longer color retention.



### STRONGER FRAME CONNECTIONS

Overlapping weld joints and gussets have been added as a result of advanced stress point analysis. Adding additional support to these stress points provides years of productive life to the already rugged frame.



ECOLO-TIGER® 875 SPECIFICATIONS	7-Shank Machine	9-Shank Machine	11-Shank Machine	13-Shank Machine
<b>WEIGHT</b>				
Approximate with Disk Gangs, S/R Shanks and Reels	6,560 kg (14,470 lb)	9,070 kg (20,000 lb)	11,440 kg (25,220 lb)	12,790 kg (28,200 lb)
<b>TRANSPORT STYLE</b>				
Main Frame / Overall Length with Reel	10.19 m (33 ft. 4 in.)	10.19 m (33 ft. 4 in.)	10.59 m (33 ft. 9 in.)	10.59 m (33 ft. 9 in.)
Working Width	4.27 m (14 ft.)	5.49 m (18 ft.)	6.71 m (22 ft.)	7.92 m (26 ft.)
Transport Width	4.88 m (16 ft.)	5.10 m (16 ft. 9 in.)	5.10 m (16 ft. 9 in.)	5.5 m (18 ft.)
Wheels	Single 425/ 65Rx22.5 recapped truck tires	Single 425/ 65Rx22.5 recapped truck tires	Walking tandem 16.5Lx16.1 Fl, Load Range E, with tubes	Walking tandem 16.5Lx16.1 Fl, Load Range E, with tubes
<b>TRACTOR REQUIREMENTS</b>				
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	8 to 11 kph (5 to 7 mph) recommended			
<b>EARTH METAL® DISK BLADES</b>				
Individual Option	24 in. (610 mm) diameter concave individually mounted on 15 in. (381 mm) centers			
Trunion Gang Option	660 mm (26 in.) diameter concave gang mounted on 305 mm (12 in.) centers			
<b>SHANK MOUNT ASSEMBLY</b>				
Shear Bolt Shank Protection	610 mm (24 in.) effective spacing, ideal for rock-free fields. Optional cover boards available			
Auto-Reset Shank Protection	610 mm (24 in.) effective spacing, ideal for rocky conditions. Optional cover boards available			
Auto Reset	330 mm (13 in.) of trip clearance, hardened pins and composite bushings			
Auto Reset and Shear Bolt	16 mm (5/8 in.) diameter grade 5 shear bolt			
<b>GROUND-ENGAGING SHANKS AND POINTS</b>				
Shanks	32 x 102 mm (1 1/4 x 4 in.), optional wear shin			
Shank Points	Chromium carbide capped Tiger Points			
<b>BLADES</b>				
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			
<b>SOIL FINISHING OPTIONS</b>				
Hydraulic Disk Leveler	Opposing blades on a common arm for general all-purpose leveling			
Hydraulic Disk Leveler plus optional Double-edge, Mounted Reel	Excels in well-drained soil conditions: Reel 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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 Safety never hurts! Always read the Operator's Manual before working with any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment. Case IH recommends **AKCELA** lubricants.

