

CASE II
AGRICULTURE

ECOLO-TIGER® 870



EVERY SINGLE DAY, YOU DEMAND MORE. MORE FROM THE LAND. MORE FROM YOURSELF. MORE FROM YOUR EQUIPMENT. THAT'S WHY WE DELIVER MORE. MORE POWERFUL AGRONOMIC ADVANTAGES. MORE PRODUCTIVITY-BOOSTING FEATURES. MORE APPROACHABLE AND KNOWLEDGEABLE CASE IH EXPERTS IN THE FIELD TO CONSULT WITH YOU AND DELIVER BOTTOM-LINE RESULTS. WE DO ALL THIS TO BETTER SERVE YOU AND YOUR OPERATION. WE LISTEN... WE DELIVER.

AS A CARETAKER OF THE SOIL, YOU WANT TO CREATE OPTIMAL SOIL CONDITIONS THAT ALLOW FOR AN EARLY SPRING FIELD ENVIRONMENT THAT PROMOTES CROP GROWTH AND YOU NEED TO DO IT QUICKLY AND EFFICIENTLY. BUT, YOU'RE ALSO DEALING WITH TOUGHER RESIDUE AND MORE OF IT. THAT'S WHY THE CASE IH ECOLO-TIGER 870 COMBINES INDUSTRY-LEADING PRODUCTIVITY, AGRONOMIC ADVANTAGES FOR SUPERIOR SOIL AND THE RUGGED DURABILITY YOU EXPECT FROM CASE IH.



FOR THOSE WHO DEMAND MORE



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Cover more ground with industry-leading operating speed up to 7 mph (11 kph) to save time and optimize available horsepower.

Welded, heavy-duty frame provides rugged durability. And unlike competitors, the 870 doesn't rely on tractor hydraulics to cut residue – its own weight provides all of the cutting pressure required.

The 870 matches a wide range of available horsepower with 14-, 18-, 22- and 26-ft. (4-, 6-, 7- and 8-m) widths.

Save time, fuel and tractor engine hours. The Ecolo-Tiger 870 performs crop residue management, compaction control and seedbed preparation in one productive pass.



Current Crop Trends

Trend-line corn yields are rapidly moving toward 200 bushel per acre and beyond, resulting in a substantial increase in residue biomass.

Today's Bt corn hybrids result in residue, containing between 18 - 28 percent more lignin (the tough, glue-like substance that holds the plant cells together).

A uniform, level seedbed is critical to success with the earlier planting dates generally needed to generate higher yields.

870 Innovations

The innovative 870 design includes 36-in. (910-mm) underframe clearance, and ample room between shanks and running gear for smooth flow in the heaviest residue conditions.

Aggressive 24 to 26-in. (61 to 66-cm) disks are designed to cut and mix (not just bury) the toughest stalks and thickest, heaviest residue.

A patented double-edged reel on the 870 rear leveling system sizes clods and levels soil in the Fall setting the stage for more successful emergence in the Spring.

The Ecolo-Tiger 870 is designed to meet challenges that increasing residue brings.

LEADING THE INDUSTRY



▲ **Future Crop Trend:** Current record corn yield (442 Bu/Ac) grown in Manchester, Iowa (shown here) resulted in approximately 10 ton/acre of corn residue.



▲ **Fracture root-limiting compaction** and create good soil tilth with 2- or 7-in. (.05- or 2-m) tiger points®. Case IH tiger points perform a unique lift, twist and roll action that restores pore space and enables nutrient cycling in healthy soil.

DELIVERING AGRONOMY, PRODUCTIVITY, DURABILITY.

THE FIRST STEP TO BETTER CROPS, HIGHER YIELDS AND MORE PROFIT IS IMPROVING YOUR SOIL.

Striking the right balance between healthy soil tilth, crop residue management and a seedbed consistency is no simple task. As the most aggressive disk ripper on the market, the Case IH Ecolo-Tiger 870 efficiently sizes and mixes the toughest, heaviest residue, while also leveling the soil out the back for a smooth seedbed in the spring.

It's built to be configurable throughout with attachment options and adjustability to match your cropping practices and field conditions. All of which means more yield potential and more profit.



BETTER SOIL, QUICKLY

▼ Operating at 7 mph (11 kph), the Ecolo-Tiger 870 will till 12 - 22 acres/hour. Combined with **AFS AccuGuide™ autoguidance**, farmers will potentially see labor, fuel and machinery savings.

PRODUCTIVE PERFORMANCE AND AGRONOMIC RESULTS.

THE ECOLO-TIGER 870 DISK RIPPER IS DESIGNED WITH BOTH SOIL SCIENCE AND TOUGH FIELD CONDITIONS IN MIND.

Up front, the 870 sizes and mixes residue for P and K availability and carbon buildup. Then the heavy-duty shanks shatter root-limiting compaction to take full advantage of all available nutrients. Out the back, multiple leveling system options are tailored to field conditions to prepare for the optimal seedbed.

Case IH engineers took into account not only today's realities of high plant populations, tough Bt corn residue and earlier planting dates, but also created a machine that will handle future changes in genetics and biomass handling by maximizing material flow at an industry-leading 7 mph (11 kph) operating speed.



▲ **Five-rank, spike harrow**, when mud, rocks or overworking the soil are concerns.



▲ **Individual mounted front disks** feature 24-in. (610-mm) blades on 15-in. (381-mm) centers. This configuration is better suited to extreme rocky or muddy conditions.



▲ **Cushion Gang disk option** features 26-in. (660-mm) blades on 12-in. (305-mm) centers. Narrower blade spacing provides better residue sizing.



▲ **Patented leveler** features opposing blades on one common mount keeping the 870 shorter than competitors for better handling and performance in uneven terrain. Cast iron leveler arm provides added strength.



▲ **The double-edged reel adjusts easily** to suit the field conditions. The three settings for the reel are an adjustable down pressure mode, a float mode and pinned up.

Underframe clearance of 36 in. (910 mm) maximizes material flow and minimizes plugging, contributing to the 870's high-speed performance.



RUGGED DESIGN

BETTER BUILT.

PART OF THE CASE IH ECOLO-TIGER FAMILY, THE 870 IS LIKELY TO BE THE FIRST RIPPER IN THE FIELD AND THE LAST OUT.

At up to 26 ft. (8 m) wide, the Ecolo-Tiger 870 is the largest full-size combination ripper in the industry. It sports a welded, heavy-duty frame for improved durability. And unlike competitors, it doesn't rely on tractor hydraulics to cut residue – its own weight provides all of the cutting pressure required.



▼ **Patented, double-edged reel components** are much stronger than flats, shed wet soil, and resist over-penetration that plugs competitive reel designs.

Model	Transport Width
7-Shank	16 ft. 0 in. (4.88 m)
9-Shank	16 ft. 9 in. (5.10 m)
11-Shank	16 ft. 8 in. (5.07 m)
13-Shank	17 ft. 11 in. (5.47 m)

◀ **Narrow transport width** gets you from field to field easier. All Ecolo-Tiger 870 configurations fold to less than 18 ft. (5.5 m) – narrow enough to fit inside the tires of most matching 4WD tractors.

▲ **Heavy-wear parts** like shins and tiger points are easily replaceable.

▲ **Improved shank assembly** gives higher clearance and excellent protection against rocks.

▲ **Gang-mounted scraper system** offers added strength and better penetration.

▼ **Optional cover boards** available for added residue burial.

▼ **Stable running gear** – 8- or 10-bolt wheels, high-performance tires and heavy-duty replaceable spindles – are designed for heavy loads.



▲ **Single-point adjustment** for quick and easy depth control changes.

▲ **Simple hand adjustment** for fore to aft leveling.

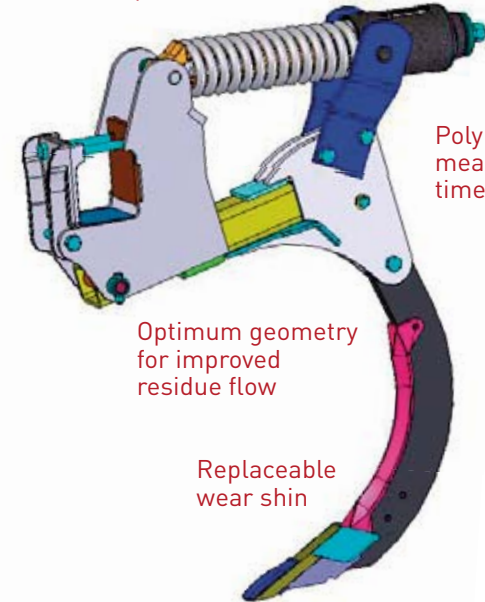
▲ **Case IH crimped-center, Earth Metal® blades** with cast nodular spools provide unmatched strength and clearance.

▲ **Fewer bearings and moving parts** than other models. High quality, V-seal bearings increase the grease interval.

◀ **Perfect hitch and big A-frame** allow for easy hookup.

AUTO-RESET SHANK

Auto-resetting rock protection



Poly bushings mean less time greasing

Optimum geometry for improved residue flow

Replaceable wear shin

Tiger points® improve soil structure and overall soil health

CASE IH SYSTEMS APPROACH

INTEGRATING EQUIPMENT, FINANCING AND SERVICE INTO ONE EXCEPTIONAL PACKAGE.

CASE IH DEALERS HELP YOU MATCH THE RIGHT EQUIPMENT TO YOUR OPERATION FOR MAXIMUM PRODUCTIVITY AND OPTIMUM ROI.

Turn to your experienced Case IH dealer when it comes to purchasing the equipment you need for an optimum return on your investment. Highly trained Case IH dealers know how to match a new Ecolo-Tiger 870 disk ripper with the right tractor and other implements you need to efficiently and economically complete your farming operations.

Your Case IH dealer can provide assistance in selecting the right equipment to meet your operation's productivity and financial goals. The Case IH systems approach helps pair tractors with compatible implements, such as balers, planters, cultivators or disks, to achieve peak performance from both pieces of equipment. Your dealer can recommend the ideal disk configuration and soil finishing option, to match your soil and crop residue conditions, while also maximizing your productivity. Plus, he or she will consult with you in analyzing results, field by field.

You can also rest assured your Case IH equipment will hold its value through trade-in time. And with the Advanced Farming Systems (AFS), you will be able to operate more efficiently, avoiding overlaps and getting more income per acre. Case IH equipment and your dealer's value-added service are the right choices for those who demand more.



CNH CAPITAL FINANCING SOLUTIONS

For those who demand more from a financial services provider, CNH Capital has the right solutions. With more than 50 years' experience in the agricultural industry, we can understand your unique needs and have developed a wide range of financial products and services to support your business.

CNH Capital offers competitive equipment financing with flexible payments that can be timed to your cash flow. Operating and finance leases are also attractive options that allow you to reduce up-front payments and conserve capital, while benefiting from the latest in equipment technology. For other business financing needs, choose from a variety of credit card programs designed specifically for the agricultural business.

PARTS AND SERVICE EXPERTISE

You can always count on your Case IH dealer for the professional service and advice necessary to keep your equipment running, season after season.

In addition to helping you find the right product solutions for your operation, your Case IH dealer offers a vast array of parts, services and equipment protection plans — all backed by expert advice and skilled, factory-trained service professionals who can help you before, during and after the sale. Your Case IH dealer carries the complete line of genuine Case IH parts and components, along with full-service maintenance programs and industry-leading warranties that can help keep your equipment running smoothly.

Just call 1-877-4CASEIH (1-877-422-7344) and we'll help your dealer meet your request.

Plus, now you can identify the Case IH parts you need online

- Visit www.caseih.com
- Click on Search for Parts under Parts & Service
- Enter your model number or product name
- View a parts list and diagram
- Build a list of the parts you need
- Contact your Case IH dealer to order parts



SPECIFICATIONS

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TRACTOR REQUIREMENTS

PTO Horsepower	18 to 20 Hp per ft. (44 to 49 kW/m)
	35 to 40 Hp per shank (86 to 98 kW/m)
Operating Speed	5 to 7 mph (8 to 11 km/h) recommended

DISK BLADES

Individual Option	24 in. (610 mm) diameter concave 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

SHANKS

Shear Bolt Shank Protection	24 in. (610 mm) effective spacing, ideal for rock-free fields. Optional cover boards available.
Auto-Reset Shank Protection	24 in. (610 mm) effective spacing, ideal for rocky conditions. Optional cover boards available.

SHANK ASSEMBLIES

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
Shanks	1-1/4 x 4 in. (32 x 102 mm), optional wear shin
Shank Points	Chromium carbide capped Tiger Points

BLADE PROTECTION

Cushion mounted blades in addition to a frame that lifts against a spring loaded relief that automatically resets when obstruction is cleared

Individual Mounted Blades	1 C-hanger per blade
Gang Mounted Blades	Multiple C-hangers per gang

SOIL FINISHING OPTIONS

Hydraulic Disk Leveler	General all-purpose leveling
Hydraulic Disk Leveler plus Spike Harrow	Excels in wetter conditions
Hydraulic Disk Leveler plus Double-edge, mounted reel	Excels in well-drained soil conditions

TRANSPORT SIZE

Main Frame / Overall Length with Reel	7-Shank / 33 ft. 4 in. (10.19 m)
	9-Shank / 33 ft. 4 in. (10.19 m)
	11-Shank / 33 ft. 9 in. (10.59 m)
	13-Shank / 33 ft. 9 in. (10.59 m)
Working Width / Transport Width	14 ft. (4.27 m) / 16 ft. 0 in. (4.88 m)
	18 ft. (5.49 m) / 16 ft. 9 in. (5.10 m)
	22 ft. (6.71 m) / 16 ft. 8 in. (5.07 m)
	26 ft. (7.92 m) / 17 ft. 11 in. (5.47 m)

WEIGHT

Approximate with Disk Gangs, S/R Shanks and Reels	7-Shank Machine	14,470 lb (6 560 kg)
	9-Shank Machine	20,000 lb (9 070 kg)
	11-Shank Machine	25,220 lb (11 440 kg)
	13-Shank Machine	28,200 lb (12 790 kg)



FOR THOSE WHO DEMAND MORE.™

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SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating 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.

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