

**CASE II**  
AGRICULTURE

# AXIAL-FLOW<sup>®</sup>

COMBINES





**WE'RE HERE FOR YOU.  
JUST LIKE ALWAYS.  
WE COME TO YOUR FARM WITH PRACTICAL,  
PROVEN WAYS TO HELP YOU DO WHAT YOU DO.  
THE TOOLS.  
THE TECHNOLOGY.  
THE UNDERSTANDING.  
THE SUPPORT.  
THAT'S WHAT WE DO.  
WE ARE CASE IH.**

# AXIAL-FLOW® CORE PRINCIPALS

## SIMPLICITY

Axial-Flow® combines are designed with fewer moving parts for unmatched reliability and easier serviceability.

## CROP ADAPTABILITY

Designed to harvest over 134 types of grains in many conditions. The Axial-Flow® combine is versatile enough to match your diverse harvesting needs.

## MATCHED CAPACITY

Controlling crop flow is the key to harvesting success. The Axial-Flow® feeder, rotor, cleaning, grain handling, residue management and power systems are designed to optimise crop flow and maximise productivity.

## GRAIN QUALITY

Gentle grain-on-grain threshing is the hallmark of the Axial-Flow® design. From feeding to cleaning, the entire system is designed to minimise grain damage.

## GRAIN SAVINGS

Axial-Flow® combines pave the way for savings. Thorough threshing and efficient separation puts more grain in the tank and more profits in your pocket.

## RESALE VALUE

Case IH combines reward their owners with impressive resale value. A wide variety of kits are also available to enhance performance, upgrade technology, boost productivity and maximise your investment.





## TAKE CONTROL OF YOUR HARVEST

### HARVESTING CONTROL

With the Case IH Axial-Flow® combine, you will have all the capacity you need, including easy adjustment options to match your crop and field conditions, as well as minimise potential grain loss. The Case IH AFX rotor creates smooth crop flow, improving throughput and putting more high quality grain in the tank.

### UNPARALLELED OPERATOR ENVIRONMENT

Thanks to more space and an ergonomic design, when you climb into the Case IH Axial-Flow® cab, you will get a panoramic view of what leadership really looks like. When the days are long and the nights are even longer, you will come to really appreciate the industry-leading comfort of the Axial-Flow® cab.

### INTUITIVE OPERATION

We understand the importance of making machine adjustments on the go, which is why the Case IH Multi-Function propulsion handle was designed to have the most commonly used controls placed within easy reach. Plus, you will be able to work more efficiently thanks to crop presets and the ability to save multiple crop settings in memory. In addition, in-field productivity is enhanced by conveniently grouped functions and a state-of-the-art AFS® Pro 700 touch screen display for yield monitoring and machine/guidance control.



### MAXIMUM UPTIME

The simple and reliable Case IH Axial-Flow® combine is designed with fewer moving parts reducing your maintenance requirements and saving you money. Innovative features like the in-cab rotor de-slug, standard on Axial-Flow® 240 Series models, keep you on the go. And with Case IH combines featuring the industry's longest service intervals, you will be sure to maximise your harvest time day after day, season after season.



## A REMARKABLE HISTORY

This proud history is only part of the story. With roots running far and deep into harvesting history – indeed, to the 1840s when the Case thresher and the McCormick reaper revolutionised the mechanical harvesting process – the Axial-Flow® combine was born of that same revolutionary spirit in East Moline, Illinois, in 1977.

A radical departure from the conventional combines of the time, it was designed to deliver greater capacity, simplicity and reliability – principles which guide its development to this day.

When the first Axial-Flow® combine was revealed to the world it was the culmination of over a million man-hours of research, hard work, testing and engineering which had begun in the 1960s when International Harvester first started developing a single-rotor combine.

Every element of the new machine was thoroughly examined, re-examined and refined to ensure it could efficiently adapt to the many hundreds of different crops it needed to harvest, with minimum effort and while maintaining a high standard of grain quality.

Case IH has a long and proud history in the agriculture industry with innovations such as:

- The first steam engine tractor
- The first row-crop tractor: the Farmall family
- The first spindle cotton picker
- The first 4WD articulated tractor: the Steiger family
- The first sugarcane harvester
- The first Advanced Farming Systems technology





**1847**

In Chicago, Cyrus McCormick founds the McCormick Harvesting Machine Company, which will later become International Harvester.

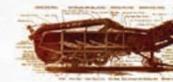


**1902**

On August 12, 1902, J.P Morgan brokers the merger of McCormick, Deering and three other smaller brands in an agreement estimated to be worth \$120 million. The new company is named International Harvester.

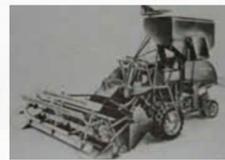
**1923**

The 100,000th thresher machine produced by Case made its way off the assembly line, marking an important milestone for the Case company.



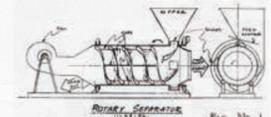
**1935**

The No. 36 harvester-thresher was designed to be powered by a 7 to 14-hp tractor belt pulley or stationary engine. Designed with the small-acre farm in mind, it could be configured with an optional trailer attachment so it could be transported.



**1942**

International's No. 123-SP (self-propelled) combine was released. The self-propelled model featured an IH six-cylinder engine, 12 foot grain head, hydraulic platform control and weighed 7,200 pounds (3,273kg).



**1956**

When the IH engineers began work on a new technology in the late 1950s, they had an inkling that the work would take some time. They estimated years, but in fact, it was decades. The early rotary combine development started with drawings like Elov Karlson's concept done by Mel Van Buskirk above. A model 76 experimental harvester thresher was later modified to their design. This was the first rotary machine.

Early in the history of the Axial-Flow® combine development, the IH team began working inside a locked garage at the East Moline Plant. Access to the garage for the next 17 years would be strictly controlled. Only the key engineers working on the project were allowed inside. Test machines were run in Australia starting from 1966.



**1984**

On November 26, 1984, International Harvester agreed to sell its agricultural equipment business to Tenneco, the parent company of JI Case. This formed the creation of Case IH, which would continue the Axial-Flow® line at the East Moline plant.



**1986**

The 1600 Series Axial-Flow® combine was introduced. This year brought enhancements to the Axial-Flow® heritage such as an optional feeder reverser and capacity increases up to 70% on the 1640 and 1660 combines. The biggest news of 1986 was the new 1600 series with the introduction of the Specialty Rotor. This rotor was fitted with short rasp bar segments mounted in a spiral pattern throughout the length of the rotor.



**1995**

The new 2100 series arrived with an all-new cab and styling.

**1998**

The 2300 series was released with features available such as a hydraulically driven rotary air screen, deluxe cab and in-cab tailings monitor.



**2002**

The new AFX Rotor is unveiled. It uses enhanced graduated pitch impellers to promote smooth crop flow and increase rotor throughput capacity in tough conditions.



**2007**

In Model Year 2007, the 30th anniversary of the Axial-Flow®, the 2500 series and 7010 combines were introduced with extensive internal and external upgrades to the machine and the AFS® systems.



**2012**

The introduction of the Axial-Flow® 5130, 6130, 7130, 7230, 8230 and 9230 combines marks the 35th anniversary of the Axial-Flow® rotary combine.



**2015**

The introduction of the Axial-Flow® 7240, 8240, and 9240 combines with, larger grain tank options and all new FPT engines including the 15.9L for the first time in Case IH equipment, delivering over 600 maximum hp.

**1842**

Jerome Increase Case founds the Racine Threshing Machine Works in Racine, Wisconsin. He innovates the current thresher that separated the straw from the grain.

**1878**

Jerome Increase Case won first place at the 1878 Paris Exposition in France for his thresher. This was to be the first thresher sent abroad by the Case company, and was the first of thousands, which would later be exported internationally.



**1913**

Developed in conjunction with the McCormick model, the first experimental harvester-thresher was built. In 1915, IHC offered its first combine. At that time horse drawn implements were the most common, and it took all sorts of horse hitching equipment to line up 8 to 10 horses to move one machine.



**1925**

By 1925, IHC was offering tractor drawn combines and by 1929, the J.I Case Company had arrived in Australia.



**1925**

The No. 141 Hillside combine was the first machine to level hydraulically with a system to level the platform both fore and aft as well as side to side.



**1963**

The first test of the CX-1 Rotary Prototype was tested in Tucson Arizona on June 2 1963.



**1977**

The introduction of the first 300 Axial-Flow® combines occurred in 1977 in the U.S., offering two new models, the 1440 and the 1460. The first Axial-Flow® combines featured manual hydraulics, an open centre hydraulic system (gear pump) as well as manual and automatic header height controls. This was followed by their launch in Australia in 1978-79.

In Europe, the 1420-1440-1460 models were built in France at the International Harvester Plant in Angers at the beginning of the 1980's. The Angers' produced 1400 series was exported to Australia. The top model 1480 was built for World Wide Production in the historical IH East Moline Plant.

**1985**

Decals on the combines released now read "Case International". An interesting model produced in 1985 was known as the "Australian Special" 1460. This was a 1460 with a 210HP 1480 engine. Other options included in the "Kangaroo Specials" were a 2-speed hydro, straw chopper, and rock trap.



**1993**

The revised 1600 series, the third generation of Axial-Flow® combines features the new Cross Flow™ Fan System.



**1996**

AFS® (Advanced Farming Systems): Axial-Flow® combines are the first in the industry to offer factory-installed AFS® yield monitors with Global Positioning System (GPS) capabilities.



**1999**

The AFS® offering is updated with a new touch screen and yield monitor.



**2003**

The all-new AFX8010 is released featuring the new AFX rotor. The AFX8010 introduced many industry leading features such as Power Plus rotor CVT drive for rotor and feeder drive as well as the hydraulic closed loop drive for the cleaning fan and the self-leveling cleaning system.



**2009**

Case IH introduced six new models of combines in 2009, three 88 series (5088, 6088 and 7088) and three 20 series (7120, 8120 and 9120). The new models included new styling, more horsepower and Case IH's first class nine combine.



**2014**

The new 140 series Axial-Flow® is released, including the 7140 offering for the first time, Class VIII horsepower in a Class VII machine.



**2016**

The Cross Flow™ Cleaning System was introduced on the 140 series. Side slope compensation cleaning systems are now available on all Axial-Flow® combines in Australia.





## THE ENGINES



### ADVANTAGES

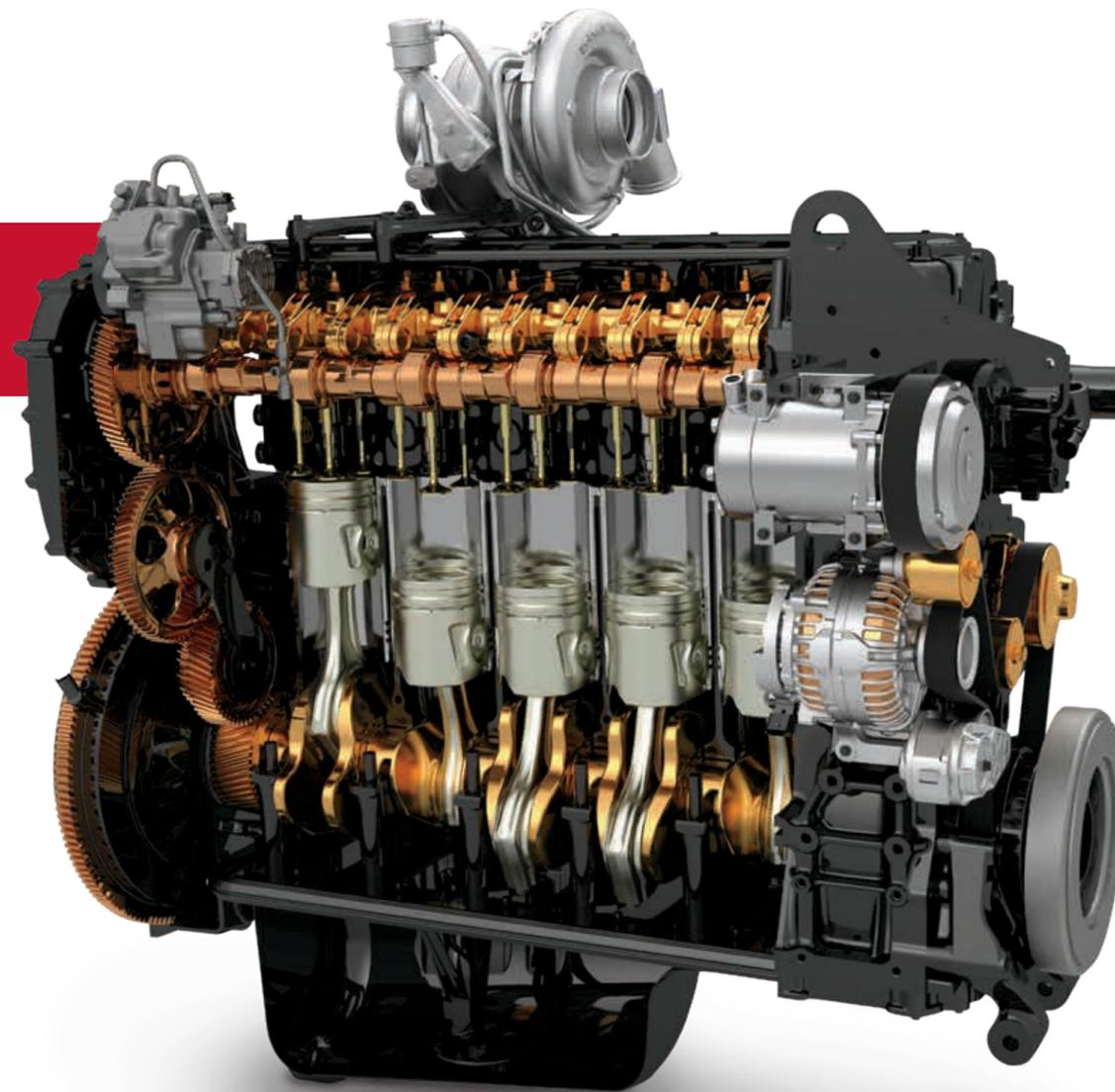
All Axial-Flow® 40 series combines offer a significant increase in fuel economy. Some of our competitors use an EGR emission-control system that slows combustion and compromises engine performance. Case IH FPT diesel engines are tuned to peak performance, offering a combination of power and fuel economy. Additionally, all 40 series engines offer automatic low idle speeds of 600 RPM to further increase fuel savings when the combine is not under load. Economy Mode on the Axial-Flow® 240 series also reduces engine speed while roading.

### MORE HORSEPOWER

All Axial-Flow® models feature added horsepower combined with the fuel-efficient Case IH FPT engines. The Axial-Flow® 140 series engines provide up to 50 kilowatts (67 horsepower) of power rise and the Axial-Flow® 240 series engines provide up to 55 kilowatts (75 horsepower) of power rise to handle demanding field conditions and today's higher loads.

### POWERFUL ADVANTAGES

Axial-Flow® 40 series combines with new engine technology join the Case IH Efficient Power family, delivering more power and better fuel efficiency with extended service intervals and minimal scheduled maintenance. Case IH engines are designed to provide responsive power and improved fuel economy. They also run cooler, unlike power-robbing EGR solutions. All Case IH Axial-Flow® combines sold in Australia and New Zealand use neither EGR nor SCR (AdBlue), providing a simple, single-fluid solution.



## GRAND ISLAND

The Grand Island facility is the CNH Industrial North America Combine Centre of Excellence. This state of the art facility is considered one of the premier manufacturing facilities within CNH Industrial. Three distinct ranges of combines are manufactured on the same assembly line, making the Grand Island facility the only CNH Industrial plant to utilise mixed model production. Several business units make up the manufacturing portion of the Grand Island plant including fabrication, welding, paint and assembly. Each area uses modern technology to aid in the processes including an automotive grade e-coat paint system, laser cells, robotic welders and wireless testing systems. The Grand Island facility has approximately 800 employees and over 800,000 sq. feet of manufacturing space.

## THE ULTIMATE CABIN

Guided by input from producers and custom operators, Case IH has taken one of the largest and quietest cabs in the industry and made it even better. The redesigned Case IH cab provides the ultimate in convenience, comfort and productivity for your office in the field. The enhanced Case IH right hand console moves with the seat to control most vital functions, with the operator's arm in a comfortable resting position.

Similar functions are grouped together, and multiple settings for different crops and conditions are easily saved for future use. You can keep your eyes on the field rather than searching for knobs or buttons.

In addition, all models use the state-of-the-art AFS® Pro 700 display for yield monitoring as well as machine functions and guidance control. The AFS® Pro 700 is compatible with all Case IH high horsepower equipment, so the operating logic and layout has consistency across Steiger, Magnum and Puma tractors and Patriot sprayers.





**COMFORT, CONTROL AND CONNECTABILITY**

- Slide rail console
- Standard AFS® Pro 700 display
- Mobile phone cradle with power port – easy reach and readability
- Separate power outlet
- Cloth or optional leather seating

**INSTRUCTIONAL SEAT WITH PORTABLE FRIDGE**

- Instructional seat backrest flips down to create a work surface
- Portable fridge included – can be removed to take home at the end of the day or used in another vehicle. It comes with an additional power lead for the second application



**REFINED RIGHT HAND CONSOLE**

- Moves with seat for smooth operator control
- Similar function grouping at your fingertips
- Multiple settings easily saved for future use
- Cross auger control (240 series)
- Standard industry exclusive pivoting spout (all models)



# TAKE CONTROL OF YOUR HARVEST

We pioneered rotor development back in the 1960s. Since then refinements, enhancements, and improvements have led to the pinnacle in rotor performance, the AFX rotor. It features impellers that draw the crop and air into the rotor. The AFX rotor can be set into many configurations, adapting to both crop and threshing conditions with the use of straight bars, spiked rasp bars, and helical kickers. Competitive rotor and cage designs can reduce productivity, and increase grain damage because of inefficient feeding and crop-control designs.



## FEEDER SIZES

Feeder sizes are designed to match each combine's capacity. Axial-Flow® feeders produce a thick crop mat and utilize rolled cast or steel-slat feeder chains for aggressive feeding with minimal grain damage. The enhanced crop flow results in improved rotor performance and machine productivity.



## TRANSITION CONE

The transition cone is the most patented feature of the Axial-Flow®.

Its simple geometry transitions crop from feeder to rotor. Crop is smoothly accelerated in a spiral motion from 8km/h to approximately 96km/h.



## ROTOR

The single in-line Axial-Flow® rotor coupled with a concentric rotor cage delivers gentle, multiple pass, grain-on-grain threshing and smoother crop flow – the hallmark of an Axial-Flow® combine.

The Axial-Flow® rotor uses impellers, rasp bars, and helical kickers to efficiently move crop through the machine for more complete threshing and greater productivity.

# CUSTOMER DRIVEN DESIGN



## ONE-TOUCH CONTROL GRAIN TANK EXTENSIONS

Large grain tanks with quick in-cab folding extensions are standard on all Axial-Flow® models. These cab folding extensions provide enhanced operator control and the ability to fold down the extensions for transport or storage with the flip of a switch. Optional grain tank covers are also available on all models.



## PIVOTING AUGER SPOUT

An industry-exclusive pivoting spout allows easier grain cart fill. From the comfort of the cab, the operator can reposition the unloading grain stream without removing their hand from the multi-function handle.

The unloading spout can be positioned where needed, instead of moving the entire combine. Available on all Axial-Flow® combine models.



## FASTER UNLOAD RATES

With unload rates up to 4.5 bushels per second (159 L/sec) there is a Case IH combine to suit all your unloading requirements.

All Axial-Flow® combines feature industry leading unloading auger lengths. 240 series Axial-Flow® combines also include the industry exclusive independent grain tank cross auger control.



## AUTOMATIC CROP SETTINGS

For Axial-Flow® 140 and 240 Series models, Automatic Crop Settings provide up to ten different machine settings and 80 factory crop presets. Each crop type can contain multiple user-defined work conditions, all of which can be transferred between machines.

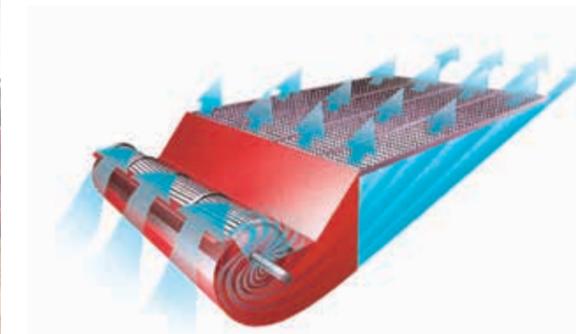


## AVAILABLE TRACK VERSIONS

To help widen your harvest window, the front axle of the Axial-Flow® 240 Series combines can be equipped with two different track options to provide greater flotation and less soil compaction.

The 725mm (28.5 inch) wide, suspended undercarriage tracks provide the ultimate ride on a 3m centre-to-centre measurement for CTF. The 915mm (36 inch) wide Quadtrac style provides the ultimate in flotation while maintaining ride quality without sacrificing ground speed.

Both track options are designed to reduce ground pressure and minimise soil disturbance to reduce stress on your fields while maintaining a smooth, comfortable ride.



## CROSS FLOW™ CLEANING FAN

The Cross Flow™ Fan is designed for even air distribution. Air flow is pulled from the top of the fan across the entire width of the combine, which provides even air flow across the entire width of the sieves.

# 140 SERIES AXIAL-FLOW® COMBINES. PROVEN PRODUCERS WITH BUILT-IN ECONOMY.

Perfect for owner operators and fleet operations, the Axial-Flow® 140 Series combines deliver maximum peace of mind through a simple to operate, efficient and reliable design featuring a belt-driven rotor. With proven 6.7 L – 8.7 L engines, up to 375 rated engine horsepower and up to 300 bushels (10560 L) capacity, they give you the same superior grain quality, grain savings and value as the larger 240 series.

## LUXURY CAB

- 3.16m<sup>2</sup> of space, 5.76m<sup>2</sup> glass
- Right hand console groups controls by function
- AFS® Pro 700 monitor provides operator to machine interface
- Convenient storage compartment integrated within the HVAC system provides heating/cooling for beverages
- Leather option
- Portable fridge

## FEEDER

- 3-chain/2-strand feeder chain
- Feeder drum with drum rings
- New hydraulic tensioner
- Feeder reinforcements

## DRIVELINE

- 2WD standard
- Optional powered rear axle



## UNLOADING AUGER

- 3.2 bu. /sec (113 L/sec)
- Pivoting spout with grain saver door

## RESIDUE MANAGEMENT SYSTEM

- Standard Beater with optional Chopper
- Standard dual disc spreaders

## 5.4M<sup>2</sup> CROSS FLOW™ CLEANING SYSTEM

- Largest cleaning system for Class V to VII combines
- Auger bed with 6 extended wear augers
- Patented Cross Flow™ Fan (450-1300RPM range)
- Cross Flow™ cleaning system can increase productivity up to 20%
- Cross Flow™ cleaning system compensates for hillsides and is designed to maximise cleaning capacity up to 12 degrees

## AFX ROTOR

- Creates smooth crop flow
- Improves throughput
- Puts more high quality grain in your tank
- 156 degrees of concave wrap
- Split concaves weigh 17kg each

## 140 SERIES FEATURES



### CONCAVES

For ease of handling when fine-tuning for best threshing performance, the single concave sections of prior combines have become two individual concaves, which equates to six concaves (three sections on previous models) with an individual weight of 17kg each.



### CLEANING SYSTEM

With the yield of many crops on the rise and customers wanting to get the crop off the fields faster, this has meant combines are travelling at higher field speeds. As such our combines are continually evolving to meet these higher demands. Our enhanced cleaning systems, the largest in their respective classes, features a 6-auger bed system designed to move grain more efficiently.

This helps boost cleaning capacity by up to 5,000 bushels per hour (176,195 L/hour), so you can harvest more of what you grow. The left-hand auger rotates in the opposite direction of the other augers to provide even filling of the cleaning area.



### CROSS FLOW™ CLEANING SYSTEM

When harvesting on side-hills, the crop will flow to the downhill side due to gravity. This causes an overload of the cleaning system and increased grain loss.

The Cross Flow™ system will help to prevent the one-sided sieve overload by providing side strokes on the upper sieve, moving the crop onward to the clean grain auger and then to the tank. The Cross Flow™ system detects the side-hill angle using a sensor located on the combine. The steeper the side-hill, the more the upper sieve strokes towards the uphill side. This will ensure maximum productivity regardless of incline.

# 240 SERIES AXIAL-FLOW® COMBINES. POWER PLUS TECHNOLOGY.

Producers with large acreages and crops of all types will appreciate the crop adaptability, grain quality and grain savings of the Class VII, VIII and IX Axial-Flow® 240 Series combines.

They feature proven 11.1 L, 12.9 L and industry leading 15.9 L engines with up to 550 rated horsepower and 625 peak horsepower. Couple that power with up to 410 bushels (14,400 L) grain tank capacity and an unload rate of up to 4.5 bushels/second (159 L/sec) for all the productivity you could possibly want. The Axial-Flow® 240 Series includes extra features like a self-levelling cleaning system, belt-free Power Plus CVT rotor drive with an in-cab deslug feature and automatic crop settings for quick, push-button return to the machine settings you use most.

## FEEDER

- 4-chain/3-strand feeder chain
- Ability to adjust the cutterbar to the optimum angle for feeding

## AFX ROTOR

- Creates smooth crop flow
- Improves throughput
- Puts more high quality grain in your tank
- 180 degrees of concave wrap
- 6 threshing and separating module options
- Adjustable cage vanes improve threshing and throughput

## LUXURY CAB

- AFS® Pro 700 monitor provides operator to machine interface
- Convenient storage compartment integrated within the HVAC system provides heating/cooling for beverages
- Climate control
- Leather wrapped steering wheel
- Standard portable fridge



## 315 / 410BU (11,100 L-14,400 L) GRAIN TANK

- In-cab folding extensions and optional powered grain covers
- Unloading augers matched to head capacity
- 7240: 4Bu/sec (141 L/sec), 8240/ 9240: 4.5Bu/sec (159 L/sec)
- Industry exclusive pivoting unloader spout with grain saver door
- Residue options: 3 optional chopper packages

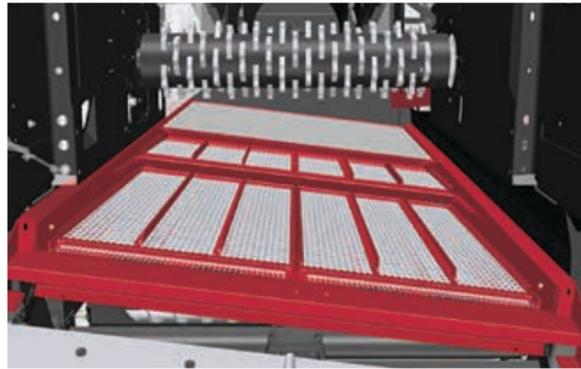
## 10,075 SQ. INCH (6.5M<sup>2</sup>) CLEANING SYSTEM

- Largest cleaning system in the industry for Class VII – IX combines
- Self-levelling (up to 12%) cleaning system maximises efficiency and grain savings
- Grain pan starts cleaning process and improves cleaning system efficiency

## CONTINUALLY VARIABLE TRANSMISSION DRIVES

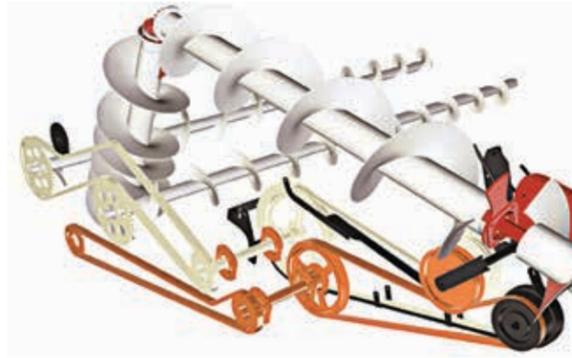
- CVT Rotor Drive
- Optional CVT Feeder Drive
- Exclusive in cab de-slug feature

# 240 SERIES FEATURES



## SELF-LEVELLING CLEANING SYSTEM

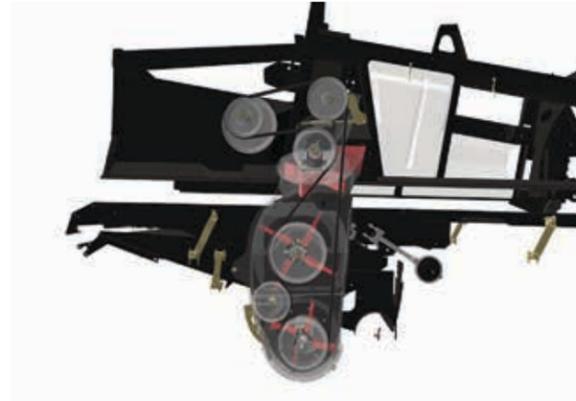
The Self-Levelling Cleaning System (SLS), standard on Axial-Flow® 240 series combines, saves grain and increases productivity on flat ground as well as on hills. The entire system (grain pan, top sieve, bottom sieve, and fan) levels itself for optimum cleaning efficiency on flat fields or hills and banks on end row turns, minimising potential grain loss.



## INDEPENDENT CROSS-AUGER CONTROL

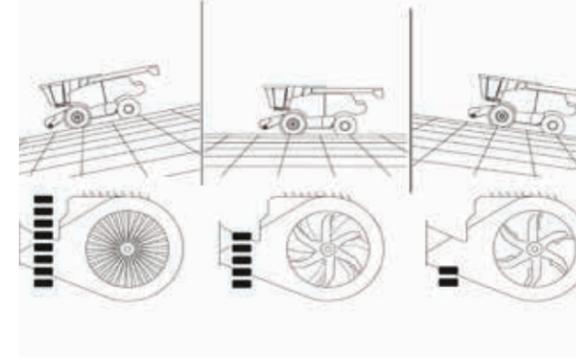
The Axial-Flow® 240 Series features independent cross-auger control. This allows the operator to engage and disengage the cross augers independently from the vertical and horizontal augers. Having its own independent drive allows for more consistent control, as well as the benefit of being able to shut the cross augers off to assist in the emptying of the unloader auger. This reduces load on the auger drive components, as well as reducing the weight of the unloading auger during the fold/unfold process reducing component wear.

The entire unload system on the new Axial-Flow® 240 series combines has been improved with larger components, including a 17 inch vertical tube and high capacity unload elbow.



## TRI-SWEEP™ TAILINGS PROCESSOR

The Tri-Sweep™ tailings processor, standard on the Axial-Flow® 240 Series combines, uses three sets of impellers to gently re-thresh and elevate the tailings, returning them back to the active grain pan for final cleaning. Additional covers are available should conditions require a higher degree of threshing/processing in this area. This results in higher machine capacity, increased harvest efficiency, and improved grain quality.



## AUTO INCLINE RPM (AIR) SYSTEM

This new feature automatically adjusts the fan RPM speed when the combine is operating on a slope, (uphill or downhill) to reduce grain loss from the rear of the combine. By automatically adjusting the fan speed it minimises grain loss and maximises combine productivity.

## HYDRAULICALLY DRIVEN CLEANING FAN

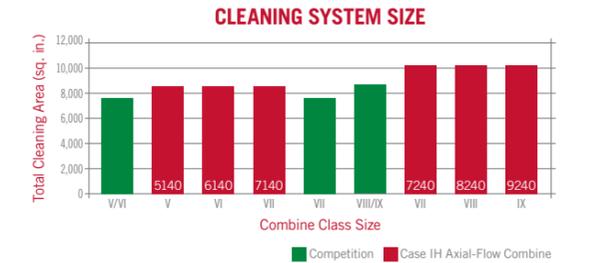
The hydraulically driven cleaning fan gives the ability to quickly react to changing conditions or headland modes. The system can also maintain the cleaning fan speed while the engine RPM drops under load – giving more consistent cleaning system performance when it is needed most.



## EXCLUSIVE POWER PLUS CVT. MORE POWER, LESS DOWNTIME

The industry exclusive Power Plus CVT delivers more power and less downtime thanks to a fully mechanical driveline to the rotor. The CVT system offers efficient mechanical all-gear drive with a hydraulic motor to vary speed. The exclusive rotor de-slug allows you to reverse the rotor from the comfort of your cab.

The Power Plus CVT drives on the Axial-Flow® 240 Series mean less routine maintenance thanks to only three drive chains and 6 belts on the entire machine.



## CLEAN SAMPLES, MINIMAL LOSS

Case IH Axial-Flow® combines lead the industry in cleaning area.

In each class size, the Axial-Flow® cleaning area is larger, delivering cleaner samples with minimal losses and matched capacity.



- Two folding auger length options to provide easier transport and storage.

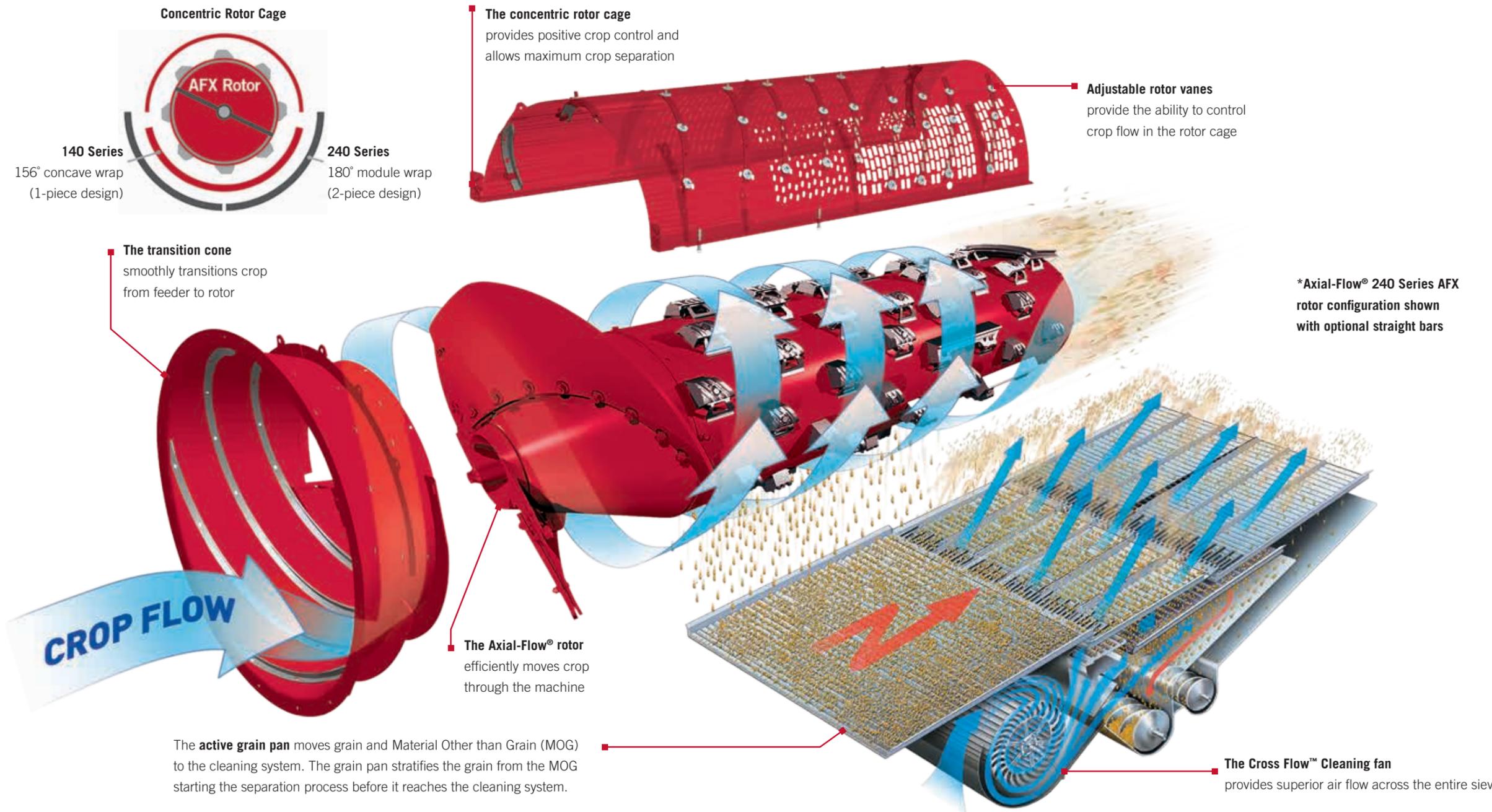
## 240 SERIES MODULE OPTIONS

Different rotor modules on the Axial-Flow® 240 series can be used to easily adapt to a variety of harvesting conditions. Rotor modules are composed of two sections, right and left, and are interchangeable front to back. The 18kg modules are secured with just two bolts and can easily be switched within minutes.

## 240 SERIES ACTIVE GRAIN PAN

Designed for extra capacity, an active grain pan is utilised on the Axial-Flow® 240 series. The active grain pan helps stratify material, leaving the heavy seeds at the bottom of the pan, and the lighter MOG (Material Other than Grain) at the top.

When the layers move onto the sieves, the grain falls, and the MOG is lifted in the air by the Cross Flow™ cleaning fan.



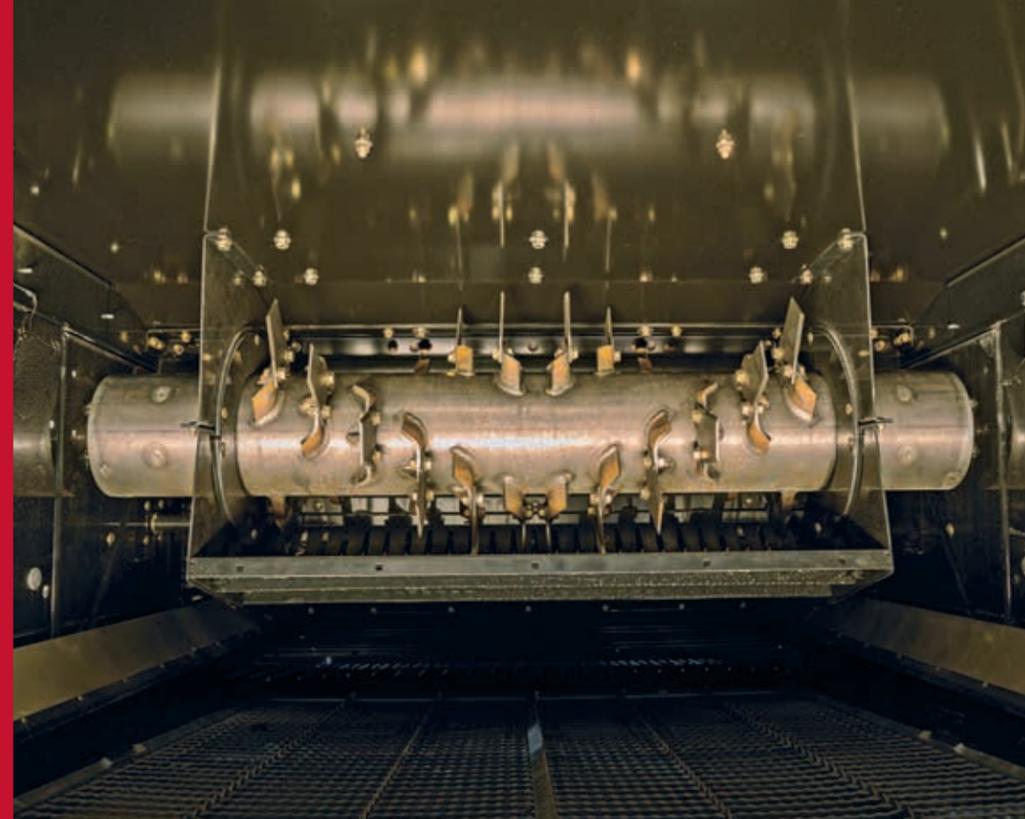
### 240 SERIES MODULE OPTIONS

-  **SMALL WIRE**  
Small grain
-  **HARD-TO-THRESH KIT**  
Cereal grains
-  **LARGE WIRE**  
Corn, soybeans and rice
-  **SLOTTED**  
Edible beans and sunflowers
-  **ROUND BAR**  
High moisture corn and rice
-  **LARGE SKIP WIRE**  
Separating area
-  **SOLID MODULE**  
Easy threshing and separating

# MANAGE RESIDUE EASILY AND EFFECTIVELY

The Case IH residue management system is built to handle the tough residue associated with new crop genetics. We offer the widest range of residue management features on the market to tailor residue to your tillage and livestock demands. The system delivers consistency across the larger head widths used on the Axial-Flow® 40 series combines, helps prepare the ground for next year's crop and can create consistent windrow formations and long straw for baling.

Axial-Flow® combines use an integral chopper when fitted to ensure maximum efficiency by using a beater or chopper, not both!



## AXIAL-FLOW® RESIDUE MANAGEMENT

The Axial-Flow® 140 Series combines feature a three-blade discharge beater as standard, or the optional straw chopper can be selected that replaces the standard beater for superior performance.

Axial-Flow® 240 Series model choppers deliver the right residue-handling system for any operation. Choose from four different residue packages to match your requirements to your farming operation. Options exist for spreading or windrowing and even spreading chaff and windrowing straw.



## MAGNACUT CHOPPER

The Axial-Flow® 240 Series offer the MagnaCut chopper option for unparalleled performance in the heaviest of crop conditions. The three-row helix design coupled with longer, more aggressive counter knives produces the finest cut in residue with superb adjustability to balance both cut and power consumption. The MagnaCut is so unique that it was given the prestigious AE50 Award from the American Society of Agricultural and Biological Engineers.

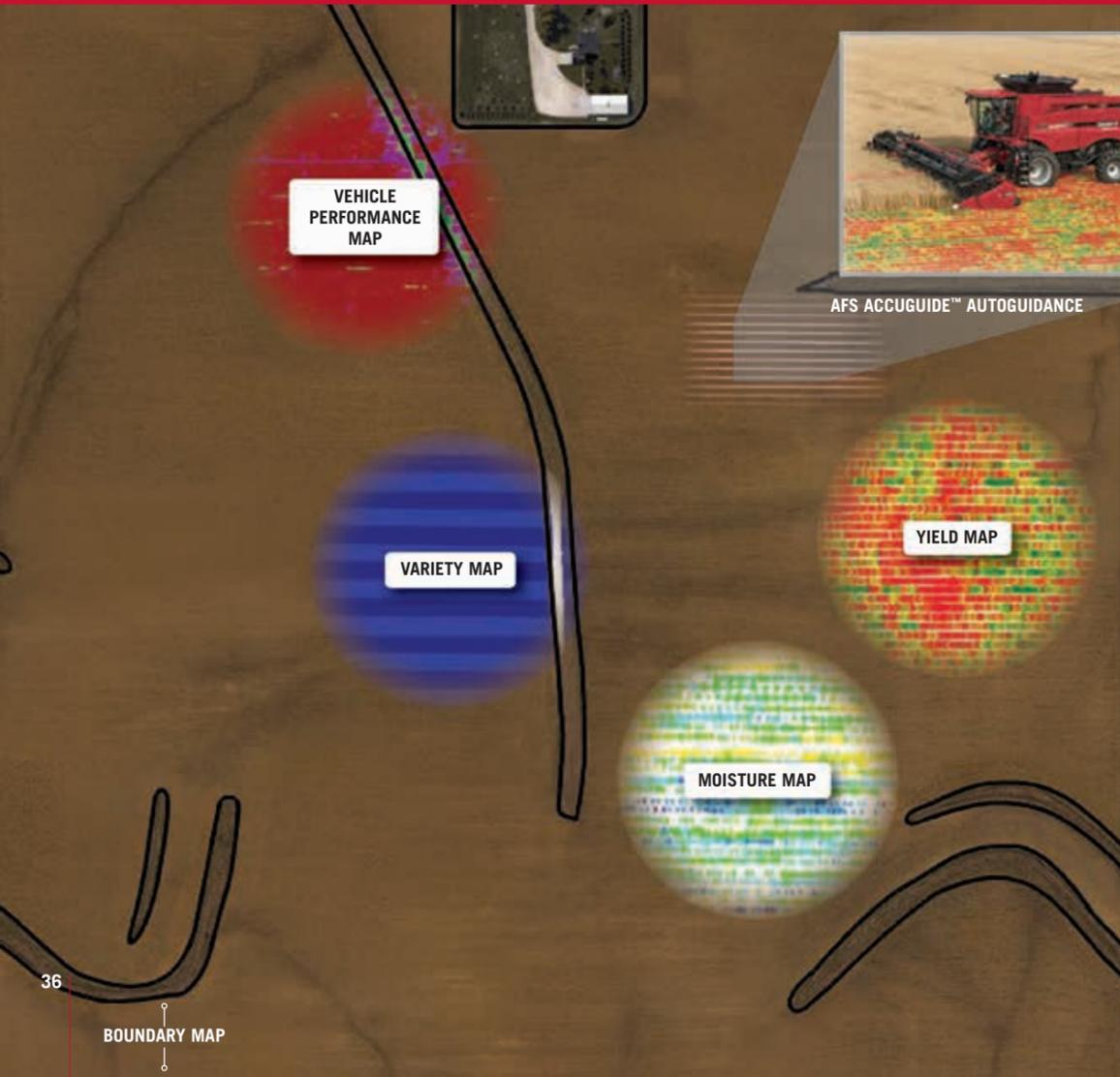
## MORE RESIDUE MANAGEMENT IMPROVEMENTS

If you're looking to enhance your field environment, uniform residue spreads are an important first step before seed, chemical and fertiliser placement. The Axial-Flow® 140 Series feature a hydraulically driven in-cab speed controlled straw spreader. With two residue modes (spread and windrow) providing options to meet your residue requirements and improve straw quality. In-cab adjustable spread width deflectors allow for ease of adjustment on the go. The spreaders have a single point quick latch and lock out position placing the spreaders in a servicing position for ease of cleaning and access.

The Axial-Flow® 240 Series offer spreader options with enhanced geometry for increased width and even chaff spreading. Easily adjust spread width with manual adjust linkage or with the option to adjust electronically from the cab on-the-go, so you can change residue patterns to offset crosswinds or to adjust to varying field conditions or future planting needs. A new centre divider also adjusts to control the spread pattern behind the combine. In addition, the windrow opening is 45% larger with an improved residue geometry to provide better windrow formation and material flow.

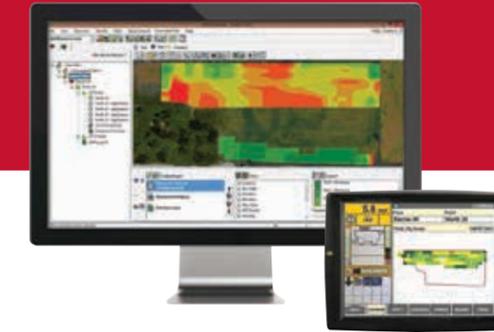
# TECHNOLOGY IN HARVEST

Monitor, map and evaluate your crops performance to help maximise your profit and yield. Be able to compare yield and moisture data with prior yield maps to determine what factors or operations will enhance future yields. If you find you are not in the driver's seat during harvest, you can now monitor real-time harvesting data remotely to help make recommendations for improving efficiencies.



## DATA MANAGEMENT - AFS CONNECT™

- **Mapping and Records**  
Generate yield maps to make informed decisions to help improve yields.
  - **Yield Map:** Instantaneously record yield and moisture data about this year's crop as you harvest. Transfer yield map wirelessly to your agronomist or home office to help make management decisions during the off-season.
  - **Variety Map:** Utilise a variety map to automatically assign variety characteristics to incoming yield data. Use this information to analyse yield and moisture characteristics for each variety/hybrid.
  - **Boundary Map:** View acres remaining, time remaining and estimated bushels remaining in current field.
- **Yield and Moisture Monitor**  
Allows you to monitor and record harvesting data, helping you make decisions to improve current yield and improve future yield potential.
- **2-Way File Transfer**  
Seamlessly transfer as-harvested maps to your home computer or trusted agronomist.



## LOGISTICS OPTIMISATION - AFS CONNECT™

- **Live Time Dashboard**  
View real-time performance data, with one-minute data updates, to ensure your combine is working most efficiently, including yield, crop moisture, rotor speed, cleaning fan speed and upper and lower sieve openings.
- **Fleet Management**  
Coordinate unloading, maintenance and refueling to make the most of tight harvesting windows.
- **Graphic Reports**  
Create reports that show area worked, yield average, flow average, moisture average and more.
- **Custom Alerts**  
Receive emails alerting you of yield, moisture and other harvest data.

## EQUIPMENT EFFICIENCIES - AFS®

- **AccuGuide™ Auto Guidance**  
Provides hands-free steering to achieve and maintain accurate row positioning in ever-changing harvest conditions and ease operator fatigue during long hours of operation. Use the "Line Splitting" feature to use Multiswath+ lines you recorded during planting with a 16-row planter and harvesting with an 8-row combine head.
- **AFS® Row Guide**  
Provides accurate, hands-off steering during corn harvest to reduce operator fatigue.
- **Auto-Cut Width**  
Adjust combine cut width when traveling through odd-shaped fields, point rows or previously harvested areas to provide accurate yield readings.
- **Variety Tracking**  
Analyse seed variety performance using data from planting in conjunction with yield and moisture data tracked at harvest – up to 30 different varieties per field.



# THE GREATEST CHOICE OF HEADS TO GIVE YOU THE GREATEST YIELDS

In order to obtain the highest performance output from a combine, high capacity feeding is key. There is no better match for a Case IH Axial-Flow® combine than a Case IH head. Case IH heads have been designed to complement the entire range of Case IH Axial-Flow® combines capabilities and enhance their output potential. Case IH heads are built to perform at their best in all conditions, to improve on productivity and overall performance resulting in minimal loss.

Simple and reliable, just like the combines behind them, Case IH heads are simple to set and adjust, intuitive to operate and help you deliver more high quality grain to the tank.

## A SOLUTION FOR EVERY CROP

HEADER	CROP
3016 Pick Up header	All windrowed crops (grass, clover, cereals and canola)
3050 Vari-Cut Grain header	All cereal crops (wheat barley, oats, canola)
3152/3162 Draper header	Cereals (with less straw content)
4400 Corn header	Corn

## 3152/3162 DRAPER HEADERS

Case IH 3100 series draper headers are designed to not only match today's faster field speeds, tougher crop conditions and changing environments, but take on tomorrow's challenges as well. With modern high horsepower Axial-Flow® combines, tougher crop genetics, and unpredictable harvest conditions, the 3100 series draper headers have been engineered to harvest more. The Case IH 3100 series draper headers have been designed from the ground up starting with the frame. All 3152/3162 frames are designed and constructed with a fully welded frame to ensure strength and durability in the field. The 3100 series draper heads incorporate simple adjustments allowing it to perform in all field conditions.



# 3152/3162 DRAPERS HEADERS

## HARVEST IN ALL CONDITIONS

Designing a header capable of taking on any challenge it's likely to face in the field, is a tall order. The 3100 draper header handles every crop in its stride. The six-bat reel cam action lifts the crop and draws it over the cutterbar, before gently laying it on the belt. The reel is adjustable fore and aft from the cab to help feeding in changing conditions.

The 3100 series draper headers have been developed to allow the full capacity of Case IH Axial-Flow® combines to be exploited, but while this means they can match the high forward speeds of our combines, that's not at the cost of grain losses. A seed saver channel is located on the bottom edge of the draper belts. This feature allows the grain to be pulled into the combine instead of being lost, saving valuable grain and improving productivity. The narrow end dividers minimise crop knock down, particularly when cutting out of the row, while the gentle yet rugged belts maximise throughput and capacity. In the unlikely event that the draper belt is damaged from a rock or foreign object it can be serviced rather than replaced entirely, by simply removing the damaged section and replacing it with a new section which is available as a service parts kit. All 3152/3162 headers come standard with in-cab hydraulic fore/aft control enhancing crop feeding. This gives the operator the ability to tailor the cutter bar angle to optimise the headers cutting and feeding ability.

## UNMATCHED RELIABILITY

Among the most innovative features of Case IH combine header design is the patented CentraCut® central knife drive, which powers the two phased knives from the middle of the header, resulting in smooth running without vibrations. For reduced wear and longer life, the knife drive runs in an oil bath. An integrated stone trap collects stones and soil to ensure contamination cannot reach the grain tank and the chances of combine internal damage are minimised. Having the CentraCut® knife drive allows for narrow end dividers and a well balanced knife drive since the head is driven from the centre. This also eliminates the need for a double knife drive. The drive is very simple in design and eliminates having extra components and their additional weight on the ends of the header. For high levels of productivity, the knife speed can be adjusted all the way to an impressive 1260 strokes per minute. A 3 inch coarse cut knife provides exceptional cut quality even at high ground speeds.

## THE PERFECT HANDLING OF BLOCKAGES FROM THE CAB

To assist with removing blockages the combine can reverse the centre draper belts to remove crop material away from the feeder house. When the feeder is then engaged to re-commence feeding, the outer draper belts are delayed to allow time for the feeder to process any remaining crop and ensure a smooth crop flow to the feeder whilst also further reducing the risk of secondary plugging.

## 3152 RIGID DRAPER HEAD FEATURES

- Available cutting widths: 30 ft (9.1m), 35 ft (10.7m), 40 ft (12.2m), and 45 ft (13.7m)
- Heads-first feeding provides smoother, more even feeding which results in increased productivity
- Six-bat, fully adjustable cam action reel lifts the crop over the cutter bar to the draper belt for increased grain savings and grain quality
- Hydraulic reel drive, speed adjustable from cab
- Hydraulic reel control – raise, fore/aft
- Stabiliser wheels
- CentraCut® knife drive – 3x the cutting force vs. single drive and 2x the cutting force vs. double drive
- Hydraulic drive - adjustable speed to max 1260 cuts per minute
- Adjustable speed side draper belts (2)
- Available with the option of single or two side by side fixed speed centre infeed belts (depending on head size selected)
- Automatic Header Height Control (AHHC) sensors fitted to control height and tilt
- Self contained hydraulic drives for hydraulic knife drive and feed drapers
- Direct drive Retractable Tine Drum

## 3162 TERRAFLEX® DRAPER HEAD FEATURES

- TerraFlex® Cutterbar Suspension - 150mm (6 inch) range of flex. Dampening is controlled using in-cab control system
- Available in 35, 40 and 45 ft variants
- Heads-first feeding provides smoother, more even feeding which results in increased productivity
- Six-bat, fully adjustable cam action reel lifts the crop over the cutter bar to the draper belt for increased grain savings and grain quality
- Hydraulic reel drive, speed adjustable from cab
- Hydraulic reel control - raise, fore/aft
- Automatic Header Height Control (AHHC) sensors fitted to control height and tilt
- Self contained hydraulic drives for hydraulic knife drive and feed drapers
- CentraCut® knife drive – 3x the cutting force vs. single drive and 2x the cutting force vs. double drive
- Hydraulic drive - adjustable speed to max 1260 cuts per minute
- Adjustable speed side draper belts (2)
- In-cab cutterbar flex adjustment
- Stabiliser wheels
- Unique torsion block provides wider pressure range than competitive hydraulic systems
- Sensors in the cutterbar for better response in low crops
- Direct drive Retractable Tine Drum



# 3050 VARI-CUT RIGID AUGER HEADER

Our focus at Case IH has always been to make combines that perform in demanding conditions. The design of the 3050 Vari-Cut header means it can handle everything from heavy cereals to canola, whether standing or laid down. With its robust design and easy-to-operate nature, the 3050 Vari-Cut header is the combine operator's harvest tool to get the job done.



## HIGH-SPEED, LOW-LOSS HARVESTING

The design of the Case IH 3050 Vari-Cut header can be adapted to suit varying conditions and extract the maximum from every field and every crop for the ultimate in high capacity, high quality harvesting. With its high sickle speed up to 1,260 strokes per minute and its contour hugging ability, the header maintains a consistent short or long stubble height, at a high ground speed. The integral knife drive pulley flywheel is designed to maintain knife inertia and to cut out peak loads, providing smooth running at any harvesting speed. The reel is synchronised with the ground speed when using automatic reel speed control, reacting to the combine's forward speed to provide low-loss intake and top quality output.

## MANAGING ALL CONDITIONS

The full capacity of the 3050 Vari-Cut header can be exploited whatever the straw volume of the crop in question, with the aid of a movable knife that allows long-strawed crops and high volumes to be easily ingested for even and consistent feeding. With the hydraulically adjustable cutter bar being able to move over a range of 575mm this gives the operator the ability to optimise crop feeding and improve productivity

and efficiency. For short crops, the knife can be quickly retracted on the go, without reducing ground speed. A large 107cm reel diameter with an exceptional lift height of 184cm makes it easy to limit losses to a minimum and reduce reel wrapping in crops such as canola and rye.

## DON'T BOTHER WITH LAID CROPS

3050 Vari-Cut headers are superbly equipped to deal with laid crops. The reel tines can reach up to 75mm below the cutter-bar to pick up down crop. This allows the knife to be operated at a higher cutting position to help protect it from rocks and other foreign objects reducing knife damage. Crop lifters can be set to reach below the cutterbar to ease the crop from the ground and improve cutting performance without picking up stones or losing valuable seed. Crop lifters are available for conditions requiring them, such as flattened straw or over-ripe barley, while for circumstances where they are not needed, they can be stored in a convenient location on the right hand side of the header. Our 3050 Vari-Cut heads are available in 35 and 41 foot sizes.

## 3050 FEATURES:

- Single knife drive
- 3 inch fine knife cut and knife guards
- 3 inch knife guards
- Rigid cutterbar
- Adjustable fore/aft knife travel – 575mm range
- 6 bat reel with steel tines - single span
- Medium length crop dividers
- RC60 auger drive chain
- 660mm (26 inch) diameter cross auger with 127mm (5 inch) flighting
- Auger fingers set in spiral pattern
- Patented finger retainer
- Cutting Width: 35 ft single, 41 ft double
- Adjustable knife position - 575mm range can be adjusted while operating from the cab
- Vertical knives – hydraulically driven
- Auto Header Height control – tilt and height
- 12.5m (41 ft) cut – well suited to 12m (40 ft) controlled traffic farming applications
- 2 piece auger supported at the centre on 12.5m unit

# 3016 PICK UP HEAD

The 3016 pickup heads have been designed for today's larger combines and the heavier windrows that are now becoming more and more common. For cereal grains, canola or grass seed, the 3016 pick-up head is the solution to them all. It lifts swaths cleanly and gently with minimal seed losses. The swath is transported smoothly on the belts to the combines' feeder. The pick-up belts cover the total width of the pick-up, ensuring the gathering of all material without running over adjacent swaths. Extra pick-up fingers increase the performance in tough conditions. The pick-up belt speed can be adjusted to match the combine's forward speed, for improved crop lifting and minimal grain losses. The swath remains intact until it reaches the combine's internals.

A hydraulically adjustable wind guard is used to ensure undisturbed pick up from the ground and smooth guiding of crop to the auger. A large 66 cm (26 inch) outer diameter auger with double V finger patterns and retractable fingers provides clean and even sweeping of material into the combine, whilst preventing material wrapping and carry-over. To adjust to field conditions the double drive sprockets offer two auger speeds for specific crop loads and smoother feeding. The floating auger allows for precise feeding according to swath density.

## SWATH PICK-UP GUARANTEED IN ALL TERRAIN

The pick-up with a 300mm (12 inch) range of movement, guarantees excellent picking ability in rough terrain. Height adjustable caster gauge wheels are standard, helping to eliminate ground scuffing, and reduce frame stress when turning with the header on the ground. Header height control helps crop lifting in uneven terrain. The two sensors in conjunction with the height and lateral tilt circuit systems maintains smooth operation at fast speeds up to 14 km/h.

For perfect floating performance over the field, the 3016 pick-up head is equipped with hydraulic flotation. This is controlled from the cab, and can be easily adjusted for a wide variety of field conditions. The result is consistent header pressure on the ground, for the best possible harvest in changing conditions and rough terrain. A single PTO drive provides effective and efficient power delivery. This means clean, simple power delivery with minimal daily maintenance.



## 3016 FEATURES

- Available in two sizes: 12 ft and 15 ft pick-up. Perfect for harvesting windrowed crops
- Single picking belt – 12 ft only
- Three-section picking belt – 15 ft only
- 660mm (26 inch) diameter floating auger
- Variable speed hydraulic drive controlled by combine reel speed control
- Two-stage delivery unit – has pickup belt and transfer belt to optimise pickup and transfer of crop without damage
- The pickup has centre-balanced shock absorbing suspension with hydraulic dampening
- Caster gauge wheels adjust height and enhance tracking on turns, provide less frame stress and eliminate ground scuffing
- Ground speed synchronisation with pickup belt
- Flexing picking frame – allows up to 300mm (12 inches) of flex within the picking frame
- Seed dam is integrated into the floor
- Plastic teeth on belt for gentle handling of crop
- Front roller centre bearing support to prevent damage in rocky conditions and maintain correct draper tension
- Automatic Header Height Control – keep the pickup header at the optimum height

# 4400 CORN HEADS

The 4400 Series corn heads are the latest innovation in harvesting technology. The new corn head has many features that allow it to pick more corn, at higher ground speeds in very adverse conditions. Not only has productivity and grain savings improved, but the actual service and maintenance has been simplified to allow for more time spent harvesting.



# 4400 CORN HEADS

## DESIGNED TO CATER FOR HIGH YIELD CONDITIONS

When the ear is removed from the stalk, the ear savers on the 4400 series prevent the ear from rolling off the header, significantly reducing header loss.

The dividers are the key to picking up down crop or separate tangled corn plants. They have a considerable influence on the result of the harvest. The narrow, smooth profile and the flatter angle of the 4400 series dividers ensures the corn plants are picked up with minimal cob losses. The new poly dividers feature a double walled construction. This improves the dividers flexibility due to the removal of the internal steel framework, and allows the dividers to flex if run into the ground, reducing the risk of damage. Double poly is also one of the most robust snout designs in the industry when it comes to durability and wear longevity.

The new dividers feature replaceable wear strips as standard equipment. These wear strips are not only on

the front dividers but also on the rear divider hoods. If one of the strips was ever worn or damaged it can be easily replaced, saving the cost of replacing the entire divider.

Our new patented corn retention louvers are also standard fitment. These louvers channel loose kernels back to the top of the row unit where the gathering chains can then transition them to the auger.

The 4400 corn headers are designed to handle increasing corn yields and tougher corn plants. With the increased productivity of the Axial-Flow® combines, the double roller chains now run in an oil bath, to operate the row units in our 8 and 12 row corn headers. It gives them the ability to handle the toughest and heaviest crop conditions with maximum reliability. The row unit gearboxes themselves are a heavy-duty design, with the main gearbox housing made from aluminium for reduced header weight and each row unit is slip clutch protected.

## CHOPPING ABILITY

Optional stalk choppers are available for each row, chopping the stubble close to ground, and to chop the straw pulled down by the rollers. The choppers can be engaged or disengaged separately for every row when the header is used in very rocky conditions.

One of the greatest features of the 4400 series corn heads is the pinching point stalk rolls. The pinching point design provides superior feeding and stalk processing. As the knives on the stalk rolls come around, they pull the stalk down while breaking down the stalk to start the decay process. Properly processed stalks reduce residue and increase the decay process to prepare the field for next season's planting.

The weed knives on the 4400 series strip the material off the stalk rolls and prevent wrapping, ensuring high levels of productivity.

## AFS® ROW GUIDE

AFS® Row Guide is available and operates using the current AFS AccuGuide™ system and two mechanical sensors that provide row position data to your combine. By utilising advanced GPS positioning and actual data from the mechanical row feelers, accurate row positioning can be achieved and maintained in ever changing harvest conditions. AFS® Row Guide has been designed to provide operators maximum adaptability by maintaining performance whether the field was planted with or without guidance.

## SIMPLE SERVICING

Simplicity is key when it comes to servicing. On 4400 series headers, the row unit dividers can easily be opened one handed, with gas struts providing assistance. Every header also comes with a spring tension release tool for removing the gathering chain.

## 4400 FEATURES:

- Heavy Duty 5.5 inches x 5.5 inches (140mm x 140mm) main frame
- Dividers & Hoods:
  - Maximum grain savings divider/snout profile
  - Heavy-duty double walled poly construction
  - Superior down corn performance
  - Easy service and maintenance
  - Patented corn retention louvers
  - Optional chopping row units
- Row Unit
  - Heavy duty row unit frames
  - Large diameter pinching point stalk rolls
  - High capacity heavy duty gathering chains
  - Large front gathering chain sprockets
  - No tools required to remove gathering chain
  - Easy row unit service and access
- Drives
  - Ability to turn choppers on and off separately
  - Agronomical designed chop quality
  - Heavy duty row unit gear boxes
  - Heavy duty header drives



# OUR COMBINES AREN'T THE ONLY THINGS WORKING IN YOUR FIELDS.

Case IH keeps more professionals in the field to keep you more productive. Our experienced dealers are happy to help manage your equipment so you can maximise your yields and bottom line. Parts and service technicians have the expertise to assist you before, during and after the sale, while CNH Capital will customise financing solutions that work best for you and your farm. It's an integrated equipment, maximum service and financing system all in one package.



## KNOWLEDGEABLE DEALERS THAT WORK WITH YOU.

Your Case IH dealer understands that your ultimate goal is to optimise your return on investment. That means matching the right horsepower, capabilities, tools and implements to your farm. Your dealer is here to recommend the appropriate options package with proper tyres, weighting and ballasting packages for optimum performance. They'll even work alongside you to analyse results, field by field.



## OFFERING FINANCIAL SOLUTIONS FOR MORE THAN 50 YEARS.

CNH Industrial Capital's extensive experience in the agricultural industry has created a deep understanding of your unique needs. Competitive equipment financing with flexible payments can be timed to your cash flow. Or, conserve capital and reduce upfront payments with operating lease options. For other needs, choose from commercial revolving accounts specific to the agricultural industry. We can even help you protect your equipment investment with a wide variety of insurance and equipment protection products. There are financing options that fit the way you farm. CNH Industrial Capital helps you find them.







# CASE IH

AGRICULTURE

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