



# NUTRI-TILLER 955 & 5310

STRIP-TILL APPLICATORS







# RETHINK STRIP-TILL.

The Nutri-Tiller lineup manages crop residue, enhances soil tilth and improves fertilizer placement for maximum nutrient efficiency. The new 955 and enhanced 5310 are your one-pass seedbed solutions to effectively manage time, resources and inputs for improved productivity and greater return on investment.



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# WELCOME TO HIGH-EFFICIENCY CROP PRODUCTION.

High-Efficiency Farming ensures that production practices match your individual operation — from field conditions and equipment to available resources and yield goals. It's not simply working faster. It's about finding the perfect match of tractor, tillage tool and planter to get the most from every field, every season.

Strip-till exemplifies High-Efficiency Farming: **efficient use of time, resources and inputs** to maximize returns on every acre. But success with strip-till doesn't mean sacrificing yields.<sup>1</sup> When properly adapted to local conditions, strip-till conserves soil, reduces production costs and saves time.<sup>2</sup> The Nutri-Tiller lineup provides a one-pass solution that can set up your crops to achieve their full potential.

## STEWARDING OUR RESOURCES.

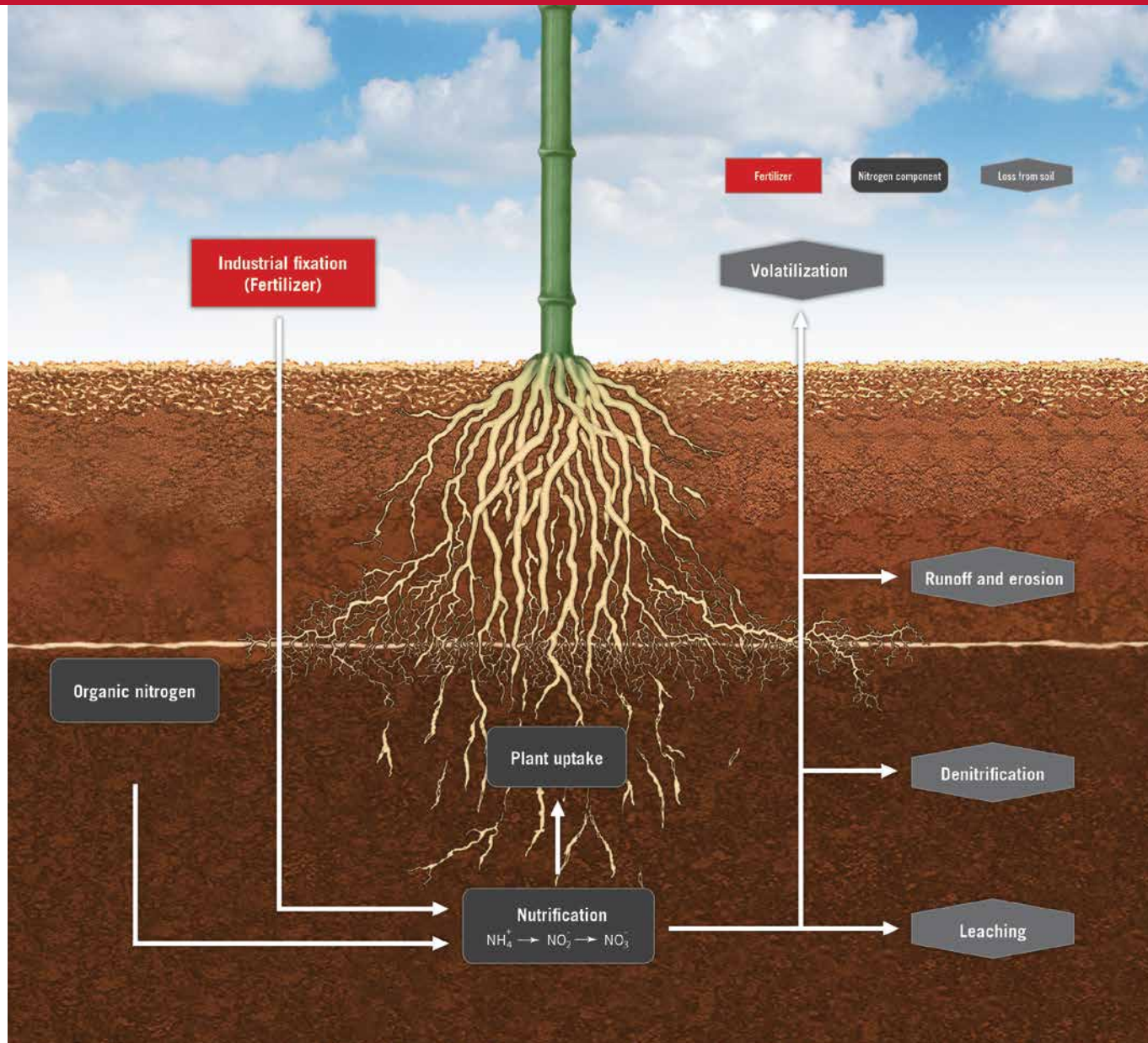
Case IH is a proud partner of the **4R Nutrient Stewardship** initiative. The 4Rs promote best management practices (BMPs) to help minimize nutrient loss and maximize crop uptake. The 4Rs include:

- The right source
- At the right rate
- At the right time
- In the right place



<sup>1</sup>DeJong-Hughes J, Vetsch J. On-farm comparison of conservation tillage systems for corn following soybeans. University of Minnesota Extension Agriculture website. <http://www.extension.umn.edu/agriculture/tillage/on-farm-comparison-of-conservation-tillage-systems-for-corn-following-soybeans/>. Published September 2007. Accessed July 14, 2016.

<sup>2</sup>Wolkowski R, Cox T, Leverich J. Strip-tillage: A conservation option for Wisconsin farmers. University of Wisconsin Cooperative Extension Service website. <http://corn.agronomy.wisc.edu/Management/pdfs/A3883.pdf>. Published 2009. Accessed June 29, 2016.





### THE ONE-PASS STRIP-TILL ADVANTAGE.

Strip-till delivers the agronomic advantages of conventional tillage with the conservation and cost benefits of no-till.

Effective strip-till is much more than what you see on the soil surface. Seedbed conditions throughout the depth of the tillage zone affect germination, plant development and, ultimately, yield potential. Your strip-till implement should improve soil tilth so air and water move freely and your planter can do its job placing the seed at proper depth and creating good seed-to-soil contact.

### FERTILIZER EFFICIENCY.

Strip-till promotes effective nutrient management by providing the ability to deliver subsurface fertilizer placement in the root zone. While conventional tillage programs typically rely on surface broadcast applications for at least part of their nutrient package, strip-till places plant food within the strip for maximum nutrient uptake.

### MANAGING YOUR RESOURCES.

**Fewer trips across the field** require less labor and reduce fuel use and equipment wear and tear. Better, more effective use of fertilizer and other inputs also can help reduce production costs.

### STRIP-TILL ADVANTAGES.

- Manage crop residue to help reduce erosion and maintain moisture between rows.
- Improve soil tilth by allowing air and water to move freely throughout the soil.
- Promote soil drying and warming for earlier planting dates and faster germination.
- Provide crops with a clear path for more uniform emergence.
- Apply multiple nutrients in a single pass.
- Deep-band dry fertilizer with new air cart package option.

# NEW NUTRI-TILLER LINEUP BRINGS CASE IH SEEDBED EXPERTISE TO STRIP-TILL.

With the new Nutri-Tiller 955 and improved 5310, Case IH delivers strip-till options that not only create the ideal seedbed, but also precisely place nutrients where your growing crop needs them — all in a single pass.



## NEW ROW CLEANER CLEARS THE WAY.

A new row cleaner with adjustable spring down pressure effectively moves heavy crop residue without gouging. Yet it's flexible, with quick, easy adjustments to match field conditions, from heavy, tough corn stalks to a light layer of soybean residue.



## FULLY INTEGRATED AFS.

Tap into Case IH Advanced Farming Systems (AFS) to help maximize fertilizer efficiency through precise placement, precision autoguidance, variable-rate application and so much more.



## NEW AIR PACKAGES ALLOW FOR DEEP BANDING.

Order your Nutri-Tiller factory-fit and ready-to-connect with the Case IH Precision Air™ 5 series air cart. The combination delivers up to two different dry fertilizers in a consistent band in the root zone.



▲ Berm Condition'r ▲ Berm Build'r

■ **BUILDING THE IDEAL BERM.**

The Berm Build'r™ catches tilled soil to build and shape a consistent berm. Next comes the Berm Condition'r™ to provide the finishing touch. The Berm Condition'r levels the berm surface and sizes clods, providing a uniform seedbed.

■ **CONSISTENT, PRECISE ROWS, PASS AFTER PASS.**

Today's precision farming technology demands consistency across the field and across your farm. We've enhanced the Nutri-Tiller row unit to deliver that consistency with precision, even as conditions change.



■ **NEWLY DESIGNED SHANK KEEPS ROWS IN LINE.**

Our new High-clearance Shank™ for Strip-Till (HCS ST) is the model of consistency. An improved mounting design ensures the knife and shank stay aligned for pass-to-pass accuracy.



■ **NEW STUBBLE-RESISTANT RADIAL TIRES.**

Optional, long-lasting radial tires improve flotation for reduced compaction, along with increased durability in the field and during transport. Walking-tandem axles help row units ride at a consistent depth, even in heavy stubble.



■ **A COULTER THAT MAKES THE CUT.**

Our large, 24-inch coulters slice through tough residue, leading the way for other row-unit components. Independent mounting and a set-screw design lock in depth settings.



# A ROW UNIT THAT SETS THE STAGE FOR YOUR SUCCESS.

From the moment the coulter meets soil and crop residue until a conditioned berm emerges, the objective is to create an ideal environment that helps your crop get off to a fast, uniform start. Row unit components work in harmony to create optimal agronomic conditions in a single, high-efficiency pass.



## DURABILITY, AGRONOMICALLY DESIGNED.

A uniform strip surface requires innovative design, along with components capable of standing up to the toughest field conditions. Thanks to Case IH Agronomic Design™, the durable row unit provides the right mix of soil, air and water, while precisely placing fertilizer where your growing crop needs it. The result is a 10-inch strip surface that's ready for planting.

## CUTTING THROUGH THE TOUGHEST RESIDUE CONDITIONS.

Each large, 24-inch coulter is independently mounted. A set-screw design locks in the depth setting, and a down-pressure spring provides the holding power needed for reliable penetration in the toughest residue conditions.

## CLEARING THE WAY FOR SUCCESSFUL CROP RESIDUE MANAGEMENT.

Our new row cleaner effectively moves high levels of crop residue between the rows without gouging or riding on top of the residue. Two down-pressure spring settings allow you to match the aggressiveness to field conditions. Or you can choose a float setting or stow the row cleaners above the soil surface where lighter crop residue levels reduce the need for aggressive row cleaning.

## NEW SHANK DELIVERS ACCURACY AND DURABILITY.

Accuracy is strip-till's stock-in-trade. The new, redesigned HCS ST combines all of the agronomic requirements of strip-till with the reliability you need for maximum productivity.

Minimal shank deflection with the 1/4-inch by 2-inch edge-bent shank, combined with the mount's holding force, helps the HCS ST maintain a constant depth for uniform berms and accurate nutrient placement.

A new knife-adapter mounting design improves performance and productivity. The twin adapter plates place and keep the knife in-line with the shank. This helps ensure a uniform operating depth and pass-to-pass accuracy. The knife adapter also shifts the shear point from the knife-mount bolts to the knife adapter, greatly reducing shear bolt or knife breakage.



## ROW UNIT ADVANTAGES.

- Customize individual row unit features to suit preferences and field conditions.
- Coulters slice through tough residue and eliminates buildup.
- Row cleaner features quick, easy adjustments and a wider range of settings.
- New shank design holds a steady path and consistent depth.
- Knife and adapter mount maximize productivity — even in rocky conditions.



CONDITIONING BASKET

BERM BUILDER

SHANK AND KNIFE

RESIDUE MANAGER

COULTER



# BUILDING THE BEST BERM.

Our goal was to design a strip-till system that creates the ideal environment for your crop. That means a uniform berm that's properly shaped and sized. It also means a soil profile with increased pore space and improved soil tilth.



## BERM CONSTRUCTION.

The two opposing disks on the Berm Build'r catch and contain the soil that rolls up as the HCS ST moves through the soil. This retains all of the soil in the tilled area and builds the berm. Mounting the Berm Build'r to the side plates of the HCS ST allows the disks to travel vertically so they maintain their position relative to the shank.

## TIME-SAVING SEALING DISKS.

**Concave 18-inch notched sealing disks** now include holes on the disk face to help reduce the amount of moist soil buildup. This helps reduce the need to occasionally clean the disks. **Optional concave 18-inch unsharpened disks** do not have holes in the face and are recommended where a less aggressive approach is desired.

## FINISHING THE BERM.

The **Berm Condition'r** helps put the final touches on the raised strip. First, the large 14-inch diameter rolling baskets catch soil flowing out of the Berm Build'r to help keep it within the tilled area. At the same time, it smoothes the berm tops and finalizes the seedbed before planting. Two berm-conditioning basket options are suited for different goals and seasons:

- **Best for fall:** The concave design provides the berm-finishing benefits of a rolling basket, but leaves more pore space as the berm overwinters.
- **Best for spring:** The flat-bar option provides more clod fracturing and sizing, and helps settle the soil and firm the berm in the tighter spring planting window.

Each basket mounts on a spring-loaded arm to help maintain ground contact. If desired in certain conditions, baskets can be locked above the soil.

## BERM-BUILDING ADVANTAGES.

- Berm Build'r and Berm Condition'r work together to create uniform, consistent berms.
- Berm Build'r constructs ideal berm height and shape.
- Notched Berm Build'r disks now feature holes to reduce moist soil buildup.
- Berm Condition'r achieves optimal soil levelness and excellent seed-to-soil contact.
- Concave berm-conditioning option improves pore space for overwintering.
- Flat-bar berm-conditioning option provides greater clod sizing and more soil firming for spring strip-till operations.

# FLEXIBILITY AND DURABILITY DRIVE CONSISTENCY.

Durability, adjustability and flexibility each play a critical role in any tillage equipment's success. When it comes to strip-till implements, expectations are high. And rightfully so: You have one pass to get it right. We designed the frame to help ensure the Nutri-Tiller exceeds expectations.



## BUILT-IN LONGEVITY.

**Steel bridge construction** sets the industry standard for durability. Our welded bridge construction results in a stronger frame. Rounded gussets provide increased toolbar strength. Three ranks of tubing **add strength and stability** to the row unit. This also gives you the flexibility to stagger coulters and row units for improved crop residue flow and faster operating speeds.

## EASY ADJUSTMENTS TO MATCH CONDITIONS.

**Single-point depth control** provides for quick adjustments and allows you to easily change settings according to changing fields and conditions. Plus, an independently adjusted leveling control for inner wing gauge wheels provides greater simplicity and durability. The 60-foot unit includes a turnbuckle for front-to-back toolbar leveling.

## STRONG HITCHES, TIGHT TURNS.

Durable **front and rear hitches** are aligned for even weight transfer and reduced lateral stress.

The constant level rear hitch features a reliable hitch casting. It also swings and can be extended for easier tank hitching. Replaceable poly wear pads on support and contact points ease side-to-side and front-to-back hitch movement. The rear-hitch towing capacity is 25,000 pounds.

The 24-row unit features a **T-bone hitch** for sharp, efficient turning and a tight turn radius. The 8-, 12- and 16-row models have an **A-frame hitch**.



### OPTIONAL STUBBLE-RESISTANT TIRES.

New **IF radial tires** are extremely reliable and stubble-resistant. These tires feature a larger footprint for improved flotation and reduced compaction. Their durability pays off in the field and during transport.



### SIZED TO SUIT YOUR INDIVIDUAL OPERATION.

The Nutri-Tiller 955 is available in working widths from 20 feet to 60 feet (8-, 12-, 16- and 24-rows). When in field mode, the toolbar on 30- and 40-foot models flexes in three sections — and the 60-foot model flexes in five sections — for excellent ground following.

### EASY FOLDING FOR BETTER, SAFER ROADING.

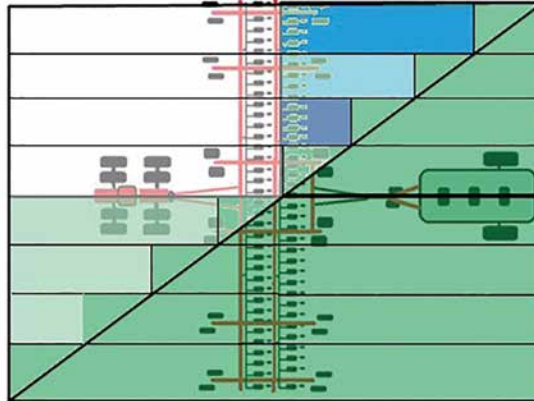
**Folding and unfolding is simple.** The 20- and 30-foot models are single-fold units; the 40-foot is a double-fold. The 60-foot, triple-fold model provides a **narrow transport width** for easy roading. On the 40- and 60-foot units, a gravitational lock automatically moves into place and secures the out wing for worry-free transport.

#### Nutri-Tiller 955 Frame Options

Working Width	Row Spacing	Frame Fold
20 ft. (6.1 m)	30 in. (762 mm)	Single
30 ft. (9.1 m)		Single
40 ft. (12.2 m)		Double
60 ft. (18.3 m)		Triple

# FIELD-READY TO DEEP-BAND DRY FERTILIZER.

For even greater efficiency, pair the new Nutri-Tiller 955 with the Case IH Precision Air 5 series air cart. This option allows you to deep-band dry fertilizer so it's available precisely when your growing crop needs it.



When you outfit your 12- or 16-row Nutri-Tiller with these options, the unit arrives from the factory ready to pair with the 5 series air carts. Key features include:

- **Easy-to-fasten**, over center latches provide easy coupling and decoupling and a consistent, secure connection
- **Dimpled Y-splitters** agitate air and product flow, providing a consistent mix for delivery down to the knife
- **Diffusers above the knife** vent the air, allowing the product to drop freely to the trench floor for a consistent fertilizer band at the proper depth
- **An optional blockage monitor** provides feedback via ISOBUS to the AFS Pro 700

With this air package, you can apply up to three products in one pass: two dry fertilizers, plus anhydrous ammonia.

## DELIVERING EFFICIENCY, EFFICIENTLY.

The new modular metering system is easy to use, yet it offers industry-leading precision and accuracy by metering each primary run on an individual basis. When you pair this exclusive **AccuSection™ Control (ASC)** system with our AFS AccuGuide™ autoguidance, the system turns off row units automatically when you enter areas already worked. You'll experience the same level of precision at headland turns and point rows or when working around waterways. Due to its ability to reduce overlaps and over-application, this technology allows an overall reduction of inputs and input cost.

## THE CAPACITY TO KEEP YOU ROLLING.

In addition to larger tanks (a 39 percent increase in product-carrying capacity) with larger openings, the 5 series lets you blend any tank with any other tank to cover more acres between fills. A new over center tank lid-lock configuration ensures a tight seal while a durable folding stairway system with slip-resistant treads provides easier access.



### **FILL FAST FOR MORE UPTIME.**

With standard and deluxe auger options available on certain models, you will spend less time filling and more time in the field. A new master shut-off feature allows for meter servicing without having to empty the air cart's contents. Plus, several design enhancements save time for routine filling, including a longer hopper for improved access under trucks.



### **CONVENIENCE AND RELIABILITY MEAN LESS DOWNTIME.**

Corrosion-resistant tanks and meters, plus a beefed-up LED lighting package for easier nighttime filling help you cover more acres every day. Seamless integration with the Case IH AFS Pro 700 control center enables simple and easy monitoring and operation of meters, section control technology applications, bin level and other air cart sensors.

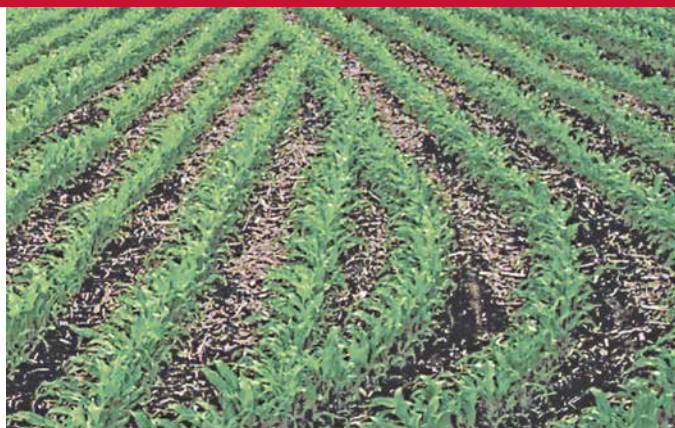


### **FLEXIBILITY ACROSS ALL YOUR FIELDS.**

The new meter design uses a modular cartridge system, making it easier to adjust for different fertilizer types and rates. The 24 volt drive motors seamlessly turn the meter cartridges at the required speed for precise meter control. Rate control can be either manual or automatic using prescriptions.

# CONTROL, MONITOR, RECORD FOR DATA-DRIVEN DECISION-MAKING.

Case IH Advanced Farming Systems (AFS) helps you capitalize on all of the advantages and benefits strip-till brings to your farm. From autoguidance that helps keep your strips straight to variable-rate application that helps you achieve fertilizer efficiency to a fully integrated platform that gathers data during every phase of production, AFS is the ideal strip-till companion.



## GUIDANCE AND STEERING.

- Achieve year-to-year repeatable accuracy at sub-inch levels with **AFS AccuGuide autoguidance**
- Autoguidance can help you reduce skips and overlaps; save on fuel and labor costs; better manage your seed, fertilizer and chemical inputs; simplify operation; and simply get more done every day

## SECTION AND RATE CONTROL.

- Put seed, fertilizer and other inputs precisely where you want them using **AFS section and rate control**
- Reduced overlaps combined with variable-rate application and precise product placement can help you save on inputs, improve agronomic performance and lower overall costs
- **Variable-rate applications** of up to three products — two granular and one anhydrous — results in fewer trips across the field

## DATA MANAGEMENT AND ANALYSIS.

- View, edit, manage, analyze and utilize your precision farming data — all in a single suite — with AFS software.
- Generate yield maps, prescription maps and more from a single, integrated software package.
- Create soil sampling maps, generate and print reports, and import satellite imagery.
- Securely and easily import and manage all data sources using your AFS software.
- Get instant access to real-time machine data through the AFS Connect™ advanced farm management system.



# NUTRI-TILLER 5310

The improved Nutri-Tiller 5310 brings the 955 model's advanced row unit to a smaller, 3-point mounted frame. Available in a 6- or 8-row (30-inch) design, the 5310 delivers the same crop residue management, precise fertilizer placement and berm building capabilities to a unit designed for smaller fields.



# RETHINK PRODUCTIVITY.

When you consider all of the factors that go into raising a top-yielding crop — high-efficiency crop production, 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:

Strip-till advances and simplifies the concept to efficiently manage time, resources and inputs.

**Step 1** — Harvest: Even crop-residue distribution with your **Axial-Flow® series combine**

**Step 2** — One-pass fall or spring strip and berm building: **Nutri-Tiller 955 or 5310**

**Step 3** — Plant: **2000 series Early Riser® planter**

**Step 4** — Feed and protect: **Nutri-Placer applicators** and **Patriot® series sprayers**

Flexible adjustments with the Nutri-Tiller allow you to customize your regimen to individual conditions. Get even more precise with the 2000 series Early Riser planter. Add only the precision farming components you desire. Then choose exactly how you use those components, whether field by field or acre by acre. But remember: When it comes to preparing the ideal seedbed, the one-pass efficiency of the Nutri-Tiller helps put your crops in the best position to achieve their maximum yield potential. Count on Case IH, our local dealer network and field personnel for the ideas and support you need to achieve your goals.



CONFIGURATION	8-ROW	12-ROW	16-ROW	24-ROW
<b>SPECIFICATIONS</b>				
Frame Style	Pull-type			
Working Width [30 in. (76 cm) centers]	20 ft. (6.1 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	60 ft. (18.3 m)
Main Frame and Wing Tubing	4 in. x 6 in. (102 mm x 152 mm) double-rank			6 in. x 6 in. (152 mm x 152 mm) triple-rank
Pull Frame	A-frame 4 in. x 10 in. (102 mm x 254 mm) tubes			"T-Bone" pull hitch, 6 in. x 10 in. x 1/2 in. (152 mm x 254 mm x 13 mm) wall
Fold Type	Single fold		Double fold	Triple fold (fold forward outer wings)
Transport Height	8 ft. 6 in. (2.6 m)	13 ft. 6 in. (4.1 m)		13 ft. 9 in. (4.2 m)
Transport Width	18 ft. 6 in. (5.6 m)	19 ft. 8 in. (6 m)	19 ft. 8 in. (6 m)	18 ft. 9 in. (5.7 m)
Standard Tire Size	Main frame - walking tandem 12.5 L x 15 L IF tires (8-bolt hubs)	Main frame - walking tandem 12.5 L x 15 L IF tires (8-bolt hubs) Wing frame - walking tandem 9.5 L x 15 L IF tires (6-bolt hubs)		Main frame - walking tandem 16.5 L x 16.1 L IF tires (8-bolt hubs) wing frame - walking tandem 12.5 L x 15 L IF tires (6-bolt hubs)
Stubble-Resistant Tires	Main frame—walking tandem IF320/70R15	Main frame—walking tandem IF320/70R15 (8-bolt hubs) Wing Frame—walking tandem IF280/70R15 (6-bolt hubs)		Main frame—walking tandem 440/55R18 (8-bolt hubs) Wing Frame—walking tandem IF320/70R15 (6-bolt hubs)
Hitch	Category 3 clevis	Category 4 clevis		Category 5 clevis
Wing Flex	Rigid	3-section flex (7° down and 16° up)		5-section flex (inner—9° down 20° up; outer—7° down, 7° up)
Operating Speed	5–7 mph (8–11.3 kph)			
HP Requirement	150–200 engine HP	225–300 engine HP	300–400 engine HP	450–620 engine HP
Shanks	HCS ST spring reset [adjustable 850 lbs. (386 kg) or 1,250 lbs. (567 kg)]	HCS ST spring reset [adjustable 850 lbs. (386 kg) or 1,250 lbs. (567 kg)]		HCS ST spring reset [adjustable 850 lbs. (386 kg) or 1,250 lbs. (567 kg)]
Depth Adjustment	Single-point hydraulic			
Hinge Lubrication	Composite self-lubricating bushing			
Rear Hitch	Optional constant level rear hitch 25,000 lbs. (11 340 kg) towing capacity			
Options	24 in. (610 mm) coulters			
	HCS ST mount row cleaners with adjustable down pressure			
	18 in. (457 mm) berm builders for HCS ST shank			
	N/A	Dry fertilizer air packages		N/A
	Rear NH3 mounting bracket kit			
Concave or flat 14 in. (356 mm) berm conditioner baskets				



SAFETY NEVER HURTS!™ Always read the Operators 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. CNH Industrial America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.

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