

# HIGH-EFFICIENCY APPLICATION

EVERY DETAIL COUNTS



AGRONOMIC DESIGN™

**CASE II**

APPLICATION PORTFOLIO

**CASE II**



# A COMPLETE APPLICATION LINEUP.

Enhanced Productivity. Agronomic Design.™ Maximum ROI.

From ground-engaging pull-type models to self-propelled applicators, Case IH offers a full line of equipment solutions that help feed, nurture and protect crops — through every season. Add to that our expansive dealer and distributor network, timely access to parts, responsive and knowledgeable support, and an unparalleled commitment to service. Case IH sweats the details so you can make the most of your investment.

**“The Patriot 50 series sprayer allows us to stay in the field longer and work more efficiently to get another 200 to 400 acres in a day. We know our spray rates are right, which is increasingly important with rising input prices — we need to be more precise than ever.”**

**Matt Moreland**, Producer in Medford, OK





## HIGH-EFFICIENCY APPLICATION

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# IT'S ALL IN THE DETAILS

When it comes to making the most of your application investment, we know every detail counts. Productivity-enhancing features. Optimal weight distribution. Advanced technology. A comfortable operator experience. Exceptional accuracy. That's why every Case IH applicator — and your productivity — top of mind. Plus, our lineup is durably built to stand the test of time and cover more acres.

FAMILY	MODEL	PREPLANT	POST-EMERGENCE	LATE SEASON	POST HARVEST
Titan™ Series Floaters and applicators	FA 1030 Air Boom Applicator	✓			✓
	610 Liquid System	✓			✓
	Dry Spinner Spreader	✓			✓
Trident™ 5550 Combination Applicators	New Leader® NL4500T G4 Edge and New Leader NL5000 G5 variable rate dry nutrient applicators	✓	✓		✓
	Trident 5550 Liquid System	✓	✓	✓	✓
Patriot® Series Sprayers	Patriot 3250, 4350, 4450 Patriot 2250	✓	✓	✓	✓
Miller Nitro Series Sprayers	Miller Nitro 7310/7370/7410	✓	✓	✓	✓
Nutri-Placer® NH <sub>3</sub> Fertilizer Applicators	Nutri-Placer 930/940	✓	✓		✓
Nutri-Placer® Side-Dress Fertilizer Applicators	Nutri-Placer 920/2800 Nutri-Placer 5300		✓		
Nutri-Tiller Strip-Till Applicators	Nutri-Tiller 955	✓			✓





# PATRIOT SERIES SPRAYERS

4 MODELS | 175–390 ENGINE HP | 660–1,600 GAL.

With an exceptional operator environment, complete vehicle control, enhanced connectivity solutions and integrated spray technology, the Patriot series sprayer is designed to help operators work more productively.

## **PATRIOT 4350**

- 1,200 gal. tank capacity | 335 rated HP, 374 peak HP Case IH FPT engine | 0–37 mph speed range

## **PATRIOT 4450**

- 1,600 gal. tank capacity | 390 rated HP, 415 peak HP Case IH FPT engine | 0–37 mph speed range

## **PATRIOT 3250**

- 800 or 1,000 gal. tank capacity | 285 rated HP, 309 peak HP Case IH FPT engine | 0–32 mph speed range



The Patriot 2250 sprayer is a reliable, tried-and-true machine — ready to meet your unique needs.

- 660 gal. tank capacity | 175 rated HP, 190 peak HP Case IH FPT engine | 0–28 mph speed range

# TAKE CONTROL OVER YOUR PRODUCT APPLICATION

For decades, the distinctive cab-forward, rear-engine design and strong, durable boom have been critical to helping operators achieve accurate, timely spraying. Patriot 3250, 4350 and 4450 sprayers combine those key elements with the most advanced technology to take high-efficiency spraying to the next level.

## **A** ULTIMATE CONNECTIVITY

A suite of solutions and options to ensure machines are set up for the tasks at hand and tracking machines, jobs and field data.

## **B** BOLD, NEW STYLING

With redesigned front and rear hoods, the look of the Patriot sprayer embodies all of what you expect from Case IH application equipment and technology: power, innovation and efficiency.







**C AWARD-WINNING ARMREST**

Operators of current model Steiger® and Magnum™ series tractors will feel at home with the exceptional ergonomics of the Patriot 50 series sprayer MultiControl Armrest and MultiFunction Handle — all mounted to the seat for easier operation as you move and swivel.



**D ADVANCED SPRAY TECHNOLOGY**

High-quality and accurate application is made possible by **AIM Command FLEX II** advanced spray technology, which offers severe-duty poppets, individual nozzle on/off control and is capable of higher flow rates.

**E SUPERIOR RIDE**

A 4-bar linkage chassis suspension system gives you better ride quality and keeps you in control through smoother suspension and higher wheel travel to help boost productivity.

\*Recognition of the year's top 50 most innovative new agricultural products.





# TITAN SERIES FLOATERS

3 MODELS | 340–410 HP | 3 OR 4 WHEEL CONFIGURATIONS

Built for handling the tough demands of changing terrain and accurately applying liquid fertilizer or granular materials.

## TITAN 4540

- 4-Wheel Floater | 410 rated HP, 425 peak HP

## TITAN 4040

- 4-Wheel Floater | 340 rated HP, 370 peak HP

## TITAN 3540

- 3-Wheel Floater | 410 rated HP, 425 peak HP





# BUILT FOR THE BIG JOBS

Titan 40 series floaters are built to handle the tough demands of changing terrain. Whether applying liquids or granular materials, they deliver rugged durability with added power for challenging conditions. These floaters get the job done — quickly, efficiently, precisely.

## MORE PRODUCTIVITY. MORE EFFICIENCY

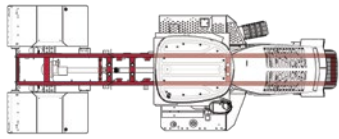
- Case IH **FPT high-horsepower engines** provide industry-leading SCR-only Tier 4 B/Final emissions control — so the power plant can be tuned for power and performance, with emissions compliance handled externally.
- With **high-capacity cooling systems, rugged transmissions and longer service intervals**, these machines deliver all the performance you've ever wanted in a floater.

## SIMPLE TO SERVICE

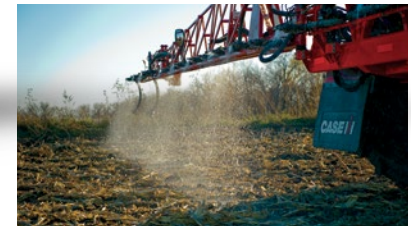
- **Easy access to service and maintenance items** allows for quick checks and routine inspections, getting you back in the field sooner.
- Thanks to the patented SCR-only technology that works inside the exhaust system — not in the engine — **the engine oil change interval is 600 hours.**
- Our frames and booms are designed **for maximum strength, durability and unmatched reliability** so your Titan 40 series floater is ready to run hard whenever you are.

## QUALITY APPLICATION

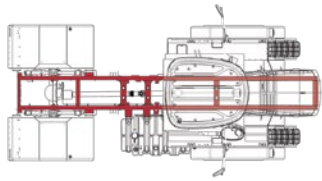
- From the big booms, big tanks and efficient plumbing of our **610 Liquid System** to the flexibility of the **FA 1030 air boom applicator**, you can cover more acres, more accurately.
- **Rugged suspension and boom designs** ensure efficient, consistent and precise application — field after field, season after season.



**3-WHEEL DESIGN**



**BOOMS BUILT FOR LONG-TERM  
DEPENDABILITY**



**4-WHEEL DESIGN**



**AVAILABLE SPINNER  
SPREADER APPLICATORS  
(DISTRIBUTOR INSTALLED)**

For more information, see Titan brochure or visit  
[www.caseih.com/titan](http://www.caseih.com/titan)





# FA 1030 AIR BOOM APPLICATOR

The FA 1030 air boom applicator is designed to help you get more done in tight windows of application opportunity and in challenging conditions. This rugged applicator is built to carry more product, enhance productivity and deliver accurate application across changing terrain. Plus, a range of configurations and efficient variable rate application systems help match the applicator to the operator's needs and optimize coverage and productivity.

## WORK MORE EFFICIENTLY

- **Up to 350-cubic-foot capacity with up to three products** helps you maximize efficiency and time in the field.
- **Variable rate product application system and left/right boom section control** are powered by dual, independently driven 304 stainless steel mesh chain conveyors—one for each side of the applicator.

- **Hydraulically driven fan** provides efficient and consistent air flow.
- **Pulse Width Modulation (PWM)-controlled hydraulic valves** for conveyor chains and metering wheels provide quick response times when rate changes are commanded.
- **Up to 1,200 pounds per acre total product application capability** at 10 mph provides the ability to put on the amount of product you need and cover acres quickly and efficiently.
- **Hydraulically suspended booms** ride smoothly with exceptional stability, available in 72- or 90-foot widths.

## CONFIGURATIONS TO MATCH YOUR NEEDS

- **Match your application needs** with a range of bin options, including:
  - Single-bin configuration
  - Single- with micro bin configuration
  - Double-bin configuration
  - Triple-bin configuration
- **Optional micro bin** is perfect for granular fertilizer, granular chemicals or even cover crop seeding and is capable of variable rate product control.
- **Adjustable divider** on multi-product hoppers allows operator to easily change from a 50/50 to a 60/40 split, with no tools required.
  - If the micro bin is used for a third product, then either 50/37/13 or 60/27/13 splits can be selected.

# 610 LIQUID SYSTEM

From large tanks to big booms, and all the plumbing in between, the 610 Liquid System is designed to help applicators cover a lot of acres in a short window. The 12-gauge 304 stainless steel tanks are available in 1,800- and 2,000-gallon capacities. They're equipped with a full-length sump for complete cleanout and internal baffling for product stability. A 2-inch removable sparge tube runs the length of the tank to achieve total product mixing and on-the-go agitation.

## DURABLE, DEPENDABLE BOOMS

- Unique boom designs — available in **70 or 60/85-foot boom widths** — add strength without extra trussing weight.
- **Self-centering booms** feature advanced breakaway technology, while hydraulic stabilization cylinders maintain the boom's spraying position, keeping the centering chains tight.
- **Hydraulic accumulators** attached to the main leveling cylinders absorb vertical shock loads, while **outer breakaways** absorb horizontal shock loads through a combination of shock absorbers and springs — available with 60/85-ft. boom options.

## EFFICIENT PLUMBING

- The 610 Liquid System features the hard-working, hydraulically controlled **Scot HYS 402 pump**.
- **PWM** product pump control accurately delivers the proper rate of product.









# TRIDENT COMBINATION APPLICATOR

1 MODEL | 390 HP | 1,400 OR 1,600 GAL.

The Trident 5550 is designed from the ground up for three seasons of use so you can cover more acres for timely and flexible multi-season product application.

- Liquid & dry application
- High-capacity productivity
- Industry-leading 40-mph roading speeds
- New Leader NL4500 G4 and NL5000 G5 spinner spreader applicators





# ONE CHASSIS. THREE SEASONS

When we say we engineered the Trident 5550 from the ground up to become the industry's fastest converting liquid/dry high-clearance combination applicator, we knew it had to do with more than simply applying liquid and dry product — it had to deliver great value to your business. The Trident 5550 does exactly that.

You can rely on the Trident 5550 combination applicator for:

- Tank and bin capacities that maximize on-row efficiency, so you cover more acres
- A durable chassis to carry every load
- A wide range of precision application technology offerings
- A comfortable operator environment, with a smooth ride to keep operators productive all day, every day
- Exceptional rate capabilities with the Trident 5550 Liquid System, which delivers a throughput of more than 60 gal. per acre

## A QUICK-CHANGE TOOL THAT WORKS FAST



# INDUSTRY LEADING HIGH-CLEARANCE COMBINATION APPLICATOR 42 MINUTE CHANGEOVER TIME



See the video  
at [caseih.com/fast](https://caseih.com/fast)



\*Changeover achieved in 42 minutes by three people using a telehandler and the Case IH Aerial Lift Device outdoors.





# NUTRI-PLACER PULL-TYPE FERTILIZER APPLICATOR

5 MODELS | WORKING WIDTHS FROM 17.5 – 65 FEET

Designed to improve the productivity of every pass and built to the standard of professional producers and commercial applications, the Nutri-Placer family is made for precise NH<sub>3</sub> and nutrient management so you can cover more acres in a day.

## NUTRI-PLACER 940

- 50', 60', 65' working width | 15" or 30" | 20" (shank) and 30" (Shank and HSLD) | 300–650 HP

## NUTRI-PLACER 930

- 32.5'–47.5' working width | 15" or 30" | 20" (shank) and 30" (Shank and HSLD) | 165–475 HP

## NUTRI-PLACER 920

- 60' working width | 30" | 200 HP or higher

## NUTRI-PLACER 2800

- 17.5'–37.5' working width | 30", 36", 38" and 40" | 140 HP or higher



Case IH is a proud partner of the 4R Nutrient Stewardship initiative. The 4Rs promote best management practices (BMPs) to achieve cropping system goals while minimizing field nutrient loss and maximizing crop uptake.



# NUTRI-PLACER

## EFFICIENT FERTILIZER TOOLBARS FOR ALL SEASONS

Nutri-Placer pull-type fertilizer applicators are designed to improve your productivity and precision at every pass. The engineering and design of this innovative family of pull-type fertilizer applicators deliver precise and efficient placement. With durability, flexibility and reliability in a variety of field conditions, Nutri-Placer applicator solutions fit nearly any soil type and terrain.

## NUTRI-PLACER 930/940

- Designed for **high-speed, minimal soil disturbance and precise nutrient management**, the rugged toolbar can be tailored specifically to your operation.
- Choose from **three row units and 15-, 20- and 30-inch spacing options**.
- Choose from **several different shank options** in 15-, 20- and 30-inch spacing or the High Speed Low Disturbance (HSLD) row unit in 30-in spacing.

## NUTRI-PLACER 5300

- The Nutri-Placer 5300 mounted or pull-type applicator versions can be used for **both preplant and sidedress application**, to band nutrients in the soil root zone for optimum fertilizer utilization.
- The **rugged 4x6-in. tubing** is built to withstand difficult field conditions.
- Full 27-in. rank between front and rear bars and variety of accessory brackets provide for **more flexible placement of coulters and shanks**.



### NUTRI-PLACER 920

- The Nutri-Placer 920 comes in **either 1,650- or 2,050-gallon capacity configurations** for more time in the field.
- The **active hydraulic system** provides hydraulic pressure to the wing fold cylinders to increase the penetrating ability of the coulters and to maintain uniform depth and accurate fertilizer placement over a wide range of field conditions.

### NUTRI-PLACER 2800

- The Nutri-Placer 2800 is available in **17.5 or 37.5 ft. widths and three tank sizes.**
- Features **adjustable or fixed axles** and your choice of either a ground driven piston pump or a hydraulic pump.

### LIQUID SIDE DRESS FERTILIZER APPLICATORS

- The Nutri-Placer 920/2800 pull-type applicators are commercial-grade and designed to **increase nutrient uptake** by applying nitrogen directly in the root zone.
- Heavy-duty coulters design delivers **precise nutrient placement.**
- Working width options range from **17.5 to 60 feet.**







# NUTRI-TILLER FERTILIZER APPLICATORS

2 MODELS | WORKING WIDTHS FROM 15 – 60 FEET

Designed to improve the productivity of every pass and built to the standard of professional producers and commercial applications, the Nutri-Placer family is made for precise NH<sub>3</sub> and nutrient management so you can cover more acres in a day.

## NUTRI-TILLER 955

- 30'–60' working width | 12, 16, 24 Rows — 30" Row spacing | 150–400 HP



Case IH is a proud partner of the 4R Nutrient Stewardship initiative. The 4Rs promote best management practices (BMPs) to achieve cropping system goals while minimizing field nutrient loss and maximizing crop uptake.



# A ONE-PASS SOLUTION

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

## STRIP-TILL ADVANTAGES

- Strip-till delivers the agronomic advantages of conventional tillage with the conservation and cost benefits of no-till.
- When properly adapted to local conditions, strip-till conserves soil, reduces production costs and saves time.

## BUILD THE BEST BERM

- The Nutri-Tiller is agronomically designed to create a uniform, consistent berm — and a soil profile that increases pore space and improves soil tilth.

## AGRONOMIC ROW UNIT

- Customize each row unit to suit your preferences and field conditions.
- A 24-inch coulters slices through tough residue and eliminates buildup.
- Row cleaner features quick, easy adjustments and a wider range of settings.

## THE PERFECT PAIR

- Pair the new Nutri-Tiller 955 with the Case IH Precision Air™ 5 series air cart to deep-band dry fertilizer — so it's available precisely when your growing crop needs it.



# PRECISION TECHNOLOGY

In today's operations, it takes more than timely, accurate application to protect your profitability. To reduce skips and overlaps and maximize efficiency, a range of receiver options are available to match your operation and allow fleet continuity.

	RS1 Autoguidance	SC1 Autoguidance with Vector Pro Receiver	AFS AccuGuide with 392 GPS Receiver	VSN Visual Row Guidance
<b>PATRIOT 3250/4350/4450</b>	✓	✓		✓
<b>TRIDENT 5550</b>	✓		✓	✓
<b>TITAN FLOATER</b>	✓		✓	
<b>PATRIOT 2250</b>			✓	





### **RS1 GUIDANCE**

- A fully scalable steering system that combines autosteer, GPS and Slingshot into one intuitive, easy-to-use option.
- Offers high-speed wireless connectivity, cellular-enabled technology and uninterrupted signals/data transfer.
- Available with three levels of correction.

### **SC1 GUIDANCE**

- The SC1 guidance option, compatible with the AFS Vector Pro receiver or third-party receivers, provides reliable and consistent terrain-compensated position and helps operators quickly acquire guidance lines.
- Use GNSS Correction signals familiar to your operation, including AFS 1, 2 and RTK+.

### **AFS ACCUGUIDE**

- Achieve year-to-year repeatable accuracy from sub-inch levels and beyond.
- AFS AccuGuide helps reduce skips and overlaps, and simplifies operation while saving on fuel and labor costs, and fertilizer and chemical inputs.

### **VSN VISUAL GUIDANCE SYSTEM**

- VSN® visual guidance system helps to minimize crop damage and cover more acres in less time.
- Reduces operator fatigue allowing operators to increase the average length of their work day.
- Enhanced steering control and simple operation results in more acres covered in each available day.

# CONNECTED SOLUTIONS

With the power of AFS Connect™ and Raven Slingshot®, you have the unmatched connectivity, guidance, data and monitoring solutions you need to ensure your machines are ready for the tasks at hand.



# YOU'RE IN CONTROL

Available with Patriot 3250, 4350 and 4450 sprayers, AFS Connect and Slingshot enable you to keep an eye on your fleet and operation — anytime, anywhere.

Send files from AFS Connect to your Slingshot enabled Viper 4+, and manage and view completed application jobs within AFS Connect and Slingshot to maintain complete control of your application data

## AFS CONNECT

- With an AFS Connect subscription, these features give you full visibility to your operation and maximize your uptime:
  - **Data Visualization:** View and store your application maps for full season-to-season recordkeeping and visualization.
  - **Prescription Tool:** Create application prescriptions, then export and easily transfer to your Viper 4+.
  - **Equipment Mode:** Toggle on and off machine location information to see your fleet when you need to.
  - **Vehicle Location History:** Track machine location, parameters, and progress during jobs to better plan tasks like tendering logistics.
  - **Remote Display Viewing:** View the AFS Pro 1200 from your desktop to coach operators on machine setup and operation.
  - **Remote Service:** Connect with your dealer or distributor to update machine controllers and view detailed machine information.

## SLINGSHOT

- Ensure your machines are set up for the tasks at hand. Plus, with a Slingshot mobile solution, easily view and monitor your vehicles from anywhere.
- With the Slingshot Gold subscription, included with RS1 and SC1 guidance options, these capabilities can maximize your operation's efficiency:
  - **Job Generator:** Set up jobs in the office and dispatch to the Viper 4+ in sprayers out in the field.
  - **Job Sync:** Share live coverage maps and guidance lines between two or more sprayers working in the same field.
  - **Fleet View:** Fleet or operations managers can see sprayer details in real time.
  - **Slingshot Link:** Enables over-the-air updates to the Viper 4+, RS1 and other hardware.
  - **File Transfer:** Allows for the transfer of data from sprayer to office and office to sprayer.
  - **Remote Support:** Remote, live viewing of the display in the sprayer to aid operators with setup or troubleshooting.





# ADVANCED SPRAY TECHNOLOGY

With Case IH advanced spray technology, you get the best possible chance at maintaining your ideal chemical application rate, pressure and accuracy.

## OPTIMIZE APPLICATION

- **Optimizes application rates and droplet sizes** for consistent application, regardless of speed and ground conditions.
- With **six modes of operation**, this advanced spray technology delivers flexible and accurate application — even in turns, rough terrain and irregular-shaped fields.

## HOW IT WORKS

- **Pulse width modulation (PWM) spray technology** ensures a constant application rate and spray pressure, even when sprayer speed changes. Think of it as a way to change nozzle tips without leaving the cab.
- Once you select a standard tip based on application rate, chemical droplet size and travel speed, the technology **automatically and precisely controls the flow** to meet targeted application rates.
- Nozzle control valves vary the duty cycle to **maintain the correct application rate** as sprayer speed changes.

## AIM COMMAND FLEX II

- Available on Patriot 3250, 4350 and 4450 sprayers, **standard individual nozzle on/off control** minimizes input costs and improves accuracy by reducing skips and overlaps.
- Enhanced nozzle control valves are **higher-flow-capable**, so you can spray at faster speeds or apply more product as needed, while **severe-duty poppets** help extend operating life.







#### AUTOBOOM XRT

- Available for Patriot 3250/4350/4450 sprayers and Trident combination applicators, AutoBoom® XRT Automatic Boom Height control option **detects and accommodates changes in terrain** for more accurate and effective coverage across every inch of ground.
- Radar sensors can be configured to detect the location of the ground or crop canopy to **maintain a level spray platform** and maximize boom life.



# NUTRIENT STEWARDSHIP

Case IH is a proud partner of the 4R Nutrient Stewardship initiative. The 4Rs promote best management practices 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



# MAINTENANCE MADE EASY

At Case IH, we recognize the importance of completing routine maintenance tasks quickly, thoroughly and painlessly. That's why Case IH applicators feature a one-stop service center — so you can perform all tendering functions from a single location.

## MORE TIME TO SPRAY, EVERY DAY

- An open architecture design allows easy access to components under the sprayer frame.
- Ladders, walkways and platforms make it easy to access service points higher up.
- Lightweight, easy-open hoods give you unrestricted access to service items and allow for quicker checks.





[caseih.com](http://caseih.com)

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