

AirMax® Precision R1/R2
Application System

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**BETTER YIELDS START WITH A
BETTER PNEUMATIC BOOM SPREADER.**

RoGator



When you're the industry leader, you never stop innovating.

Introducing the AirMax® Precision Application System. Agronomic accuracy like you've never seen from a spreader.

In 2017, Iowa State University conducted research tests comparing the application quality and accuracy of the pneumatic boom spreader vs. the spinner spreader. They conducted two different application test trials in heavy wind and in late season crop application. (See back page for results.) The findings supported and verified what we already knew: pneumatic boom spreaders improve product placement and accuracy on the crop. At RoGator®, we've never been content to rest on our laurels. So, we took those results and used them to help us create an even better pneumatic boom spreader. The new AirMax® Precision R1/R2 application system starts with the best of the old AirMax 180 and takes it to a whole new level — improving capacity, durability and reliability.

Highest-capacity box system

The AirMax Precision R1/R2 comes with two box options, a single bin and a twin bin. Both feature an all-new design that improves weight distribution and maximizes capacity.

Single bin — At 235 cu. ft., this is the highest-capacity, high-clearance row crop pneumatic boom spreader in the RoGator lineup. This box is perfect for large operations that primarily use blended products and require maximum capacity to cover more acres in a day.

Twin bin — The 215-cu. ft. capacity twin bin features the same box design as the single bin. Easily adjust the bin divider at a 50/50 or 60/40 split capacity to help maximize your product mix to cover more acres, faster.

Widest air boom system

Our innovative SpreadLogic™ application system adds 10 feet of boom width. At 70 ft., the FlatFlex™ modular boom is the widest high-clearance air boom on the market.

- 304 stainless steel construction for extra-long boom life
- 30" off-center spacing
- Modular design makes repairs easier; replace sections without replacing the entire boom

Not only does this new boom deliver better efficiency, productivity and accuracy, it can also increase bottom-line profit.

“With AirMax you get a much more precise application. Product goes where it's supposed to, tremendously better than a spinner. Spinners can do a good job, but they're more susceptible to errors. The AirMax gets into side hills, or in windy conditions, it's always still accurate.”

— Mike M.
Federation Co-op
Hixton, WI



A 10-ft. wider boom drops a better yield to your bottom line, too.

60 ft. boom	70 ft. boom	17.5% more productivity
350 lb./acre @ 12 mph	350 lb./acre @ 12 mph	
= 40 acres/hour	= 47 acres/hour	





Our most accurate turning system

Counter-intuitive power and fuel economy — You'd expect a bigger box and wider booms to require more hydraulic capacity. But it's just the opposite. The hydraulic pump for the fan circuit is 35% smaller, so the system actually consumes 19 less horsepower. You not only get improved fuel savings, you get extra power to carry the increased load through the field.

Single-pass application — The most significant delivery system improvement is the UltraSpread™ low-speed, high-torque hydraulic motors.

- Radial piston hydraulic motor requires no gearbox
- With 888 pulses/revolution, the rate sensor sees 150% more pulses for every degree of rotation, increasing the accuracy of the overall product control, whether at high- or low-rate conveyor speed

Rate/speed capability — Industry-leading rate capabilities of 20-850 lb./acre at 10 mph, 65 lb.ft³ create new application opportunities that may not have been possible before.

- It can all be controlled by AGCO AgControl™ or Raven® rate-control software

Years leading the industry have helped us understand that agronomic accuracy is about proper product placement, soil health and yield improvement. TurnLogic™, another unique feature of the SpreadLogic system, is new software that allows the machine to adjust rates while cornering. Rate is automatically controlled from the center point on each boom wing, adjusting up or down based on the position of the steering axles, to even out fertilizer distribution over any curve.

- Balances fertilizer distribution in odd-shaped fields
- Reduces over-spreading in corners

SpreadLogic™. Simply better.

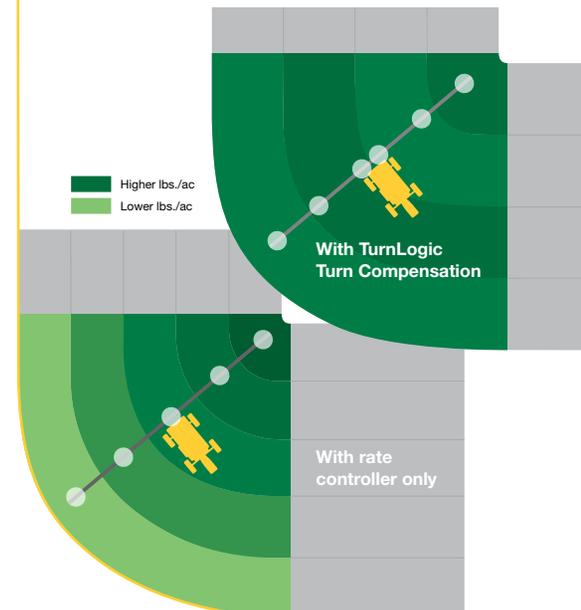
More features:

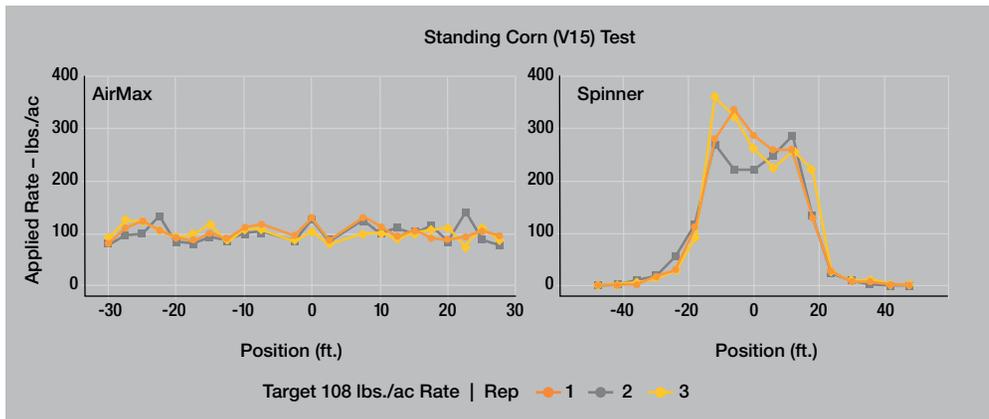
- Sliding rear-access ladder
- Heresite® hydraulic cooler coating rated for 2,000 hours
- Eight LED lights and new rear work light
- Lube-free fold bushings
- Pre-wired bin camera cables
- Super-tough Parker hoses resist ozone, abrasion and cold temperatures

Here's how it works:

With a standard control system and single boom, product can be over- and under-applied in turns.

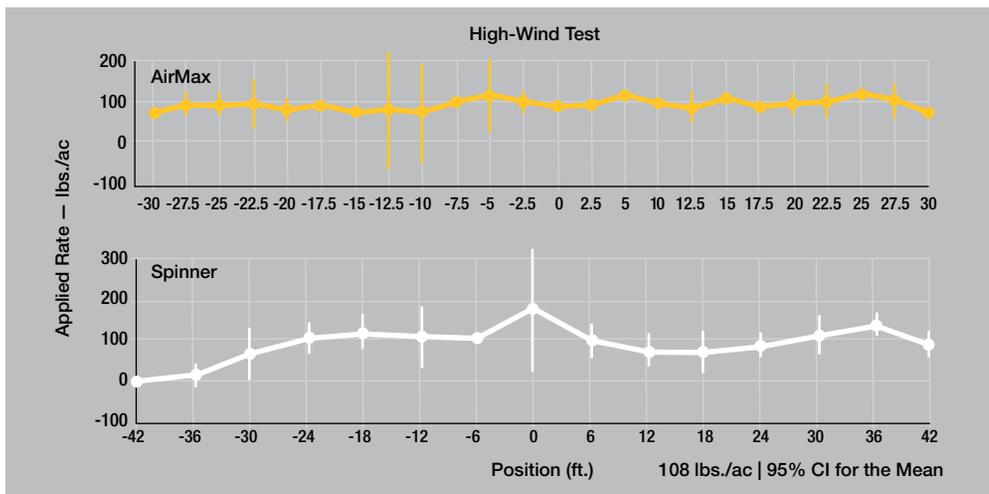
TurnLogic adjusts the rate on each side of the machine to match the desired application rate. All plants are treated closer to the desired rate to maximize yield, minimize excess nutrients and improve soil and plant health.





Whether in bare-ground, standing corn, high-winds or with poor-quality urea, pneumatic systems consistently outperform spinners where it counts.

The AirMax R1/R2 provides better overall coverage in taller crop, perfect for late-season application. A standing corn (V15) test determined that pneumatic systems provide better fertilizer placement for late-season, variable-rate application, out to the boom tip, while the spinner application was impacted by tall crop height blocking the spread pattern.



When applying in high wind conditions, the AirMax R1/R2 has better accuracy from boom tip to boom tip. When tested in 8-12 mph crosswinds, the AirMax pneumatic boom spreader minimized wind impact and maintained consistent product placement, while the leading spinner experienced pattern shift due to variable wind conditions. The AirMax R1/R2 provides operational insurance to maximize fertilizer placement accuracy under variable wind conditions.

Minimized wind impact nearly
43% better
than the spinner system

Maintains
greater application uniformity
across the field

MODEL	R1	R2
Configuration	Single bin	Twin bin
Capacity – cu.ft. (L)	235 (6,654)	215 (6,088)
Rate range	20-850 lbs./ac at 10 mph 65 lbs./cu.ft	
Bin split	-	Configurable 50/50 & 60/40
Independent metering points – main bins	Two L/R	Four L/R each bin
Spread width	70 (21.3)	
Hydraulic tip fold	Available	
Drives	High torque hydraulic motors	

With the AirMax R1/R2 you'll see more consistent and accurate product placement. Regardless of application rates (lbs./acre), the pneumatic system will not only spread product more consistently across the boom, but will also have less variation at specific distances on the boom.

25-35% more accurate
to the target lbs./acre across the boom vs. leading spinner system

Spreads with
less variation
at specific distances on the boom

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