

THE SPRAYER THE PROS USE

ROGATOR® SPRAYERS FOR PRE- & POST-EMERGENCE APPLICATIONS | MODELS 994H • 994 • 1194H • 1194 • 1396



994H • 994 • 1194H • 1194 • 1396

RoGator

The Drive to Move You	4
A new drive system delivers smoother shifting, better acceleration and more speed ranges.	
A New Perspective	6
The view from the Advanced Application Cab is unmatched for both transport and field operations.	
Best in Class	8
An exclusive C-channel frame that flexes over rough terrain and our air suspension deliver a great ride.	
Explore Your Options	10
It's not quite autopilot, but Gator Trak 4-wheel steer comes pretty close when navigating tight turns.	
A Chassis for All Seasons	12
Our combo ready chassis gives you exceptional ROI and a choice of systems for year-round application.	
Spray It Like You Mean It	14
We lower the boom on the competition with the most efficiently designed and accurate liquid application systems on the market.	
To Spin or Not to Spin	18
Nobody knows dry systems like we do because we've been offering them on our application equipment for more than 50 years.	
Technology Solutions	20
We'll keep you moving in the right direction with controllers and telemetry systems that take the guesswork out of precision application.	





ROGATOR 900-, 1100-, AND 1300-GALLON: ADVANCED SELF-PROPELLED APPLICATORS

NEW Drive System Components

RoGator now uses hydraulic variable displacement motors on all four corners of the machine with gear reduction hubs that serve as torque multipliers.

IMPROVED Speed Ranges

RoGator now has a seven-speed drive system with five field ranges and two road ranges that deliver impressive power at lower RPMs for greater fuel economy.

ENHANCED Power Distribution

RoGator delivers optimal power to the ground in all gears by managing power splits better than ever before to providing optimal performance in varying field conditions.

AGCO Application Equipment continues to build on a 50-year heritage of designing equipment that meets and exceeds the demands of professionals who depend on their machines to get the job done. Our unwavering commitment to offering the very best line of innovative application tools and providing you with advanced technology solutions is unmatched. Simply put, every one of our machines is engineered from the ground up to do one job, and to do it better than any other applicator in the industry. Durable, dependable, professional are more than just words – they are the core principles at the foundation of every piece of equipment we build.

THE DRIVE TO MOVE YOU

Key Points of the New Drive System

- Common components on 994, 994H, 1194, 1194H with the same hydraulic motor and gear reduction hub used on all four corners
- Reduced engine RPMs in road speed ranges on all models
- Seven-Speed Drive Package
- 50/50 Power Distribution in First Range
- Additional stopping power with the addition of front disc brakes
- New parking brake system

RoGator is equipped with the most powerful and efficient drive system in the industry. Features like seven speed ranges, reduced engine RPMs for more road speed ranges that deliver smoother shifting and better acceleration, and a service brake are now standard equipment on every RoGator.

The new drive system consists of two primary parts – the hydraulic motor and the gear reduction hub. By using a separate hydraulic motor and gear reduction hub, every corner of the machine is now configured exactly the same. This simple design change reduces the number of unique parts that an operator needs to keep on hand.

Separate hydraulic motors and hubs also run cleanly, because the parking brake discs and gears use their own fluids without compromising the hydrostatic drive system.





HYDRAULIC MOTOR

The variable-displacement hydraulic motor allows RoGator to set the power distribution for maximum system performance.

- In first range RoGator has a 50/50 power distribution between the front and rear wheels to deliver unmatched performance in tough field conditions.

- In second through fourth range, the power distribution is changed to a 40/60 ratio to eliminate wheel hop found on other sprayers while running up hills, and increases overall field performance.
- In ranges five through seven, the power distribution returns to a 50/50 ratio to lower drive pressure on all motors and keep the hydraulics running cool – enhancing performance and increasing the longevity of the drive system.



GEAR REDUCTION HUB

The gear reduction hub acts as a torque multiplier by using the power supplied from the hydrostat through variable displacement hydraulic motors. That power is then transmitted directly to the ground where it's needed.



ENGINE

When you need to climb a hill with a fully loaded product tank or muscle your way through a muddy field, wondering if you have enough horsepower or torque to get to the other side should be the last thing on your mind. RoGator delivers all the power you need thanks to rugged and efficient turbocharged Tier III CAT® engines that provide both exceptional performance and outstanding fuel economy.

When conditions change in the middle of field operations, a drive pressure compensation system automatically shifts among third, fourth, and fifth speed ranges so the operator can stay focused. Overall engine RPMs have been reduced in road speed ranges to provide even better fuel economy and a quieter ride.

BRAKING

All RoGator models now have three braking systems that work in harmony with one another to bring the equipment to a smooth stop.

- First, a hydrostatic brake operated through the tandem hydrostat transmission.
- Second, new caliper disc brakes are mounted to the front wheels to deliver extra stopping power.
- Third, the parking brake is integrated into the gear reduction hubs on the four corners of the machine.

A NEW PERSPECTIVE.

Others may talk about visibility – but we deliver. The wide, panoramic view from the front windshield and large side and rear windows provide unobstructed views to critical parts of the equipment and exceptional visibility during transport. Lower boom rests eliminate the tunnel-vision feeling you experience on other machines. Visibility is enhanced by the tapered and crowned hood and a six-post cab design that open your eyes to a whole new way of looking at things. You might just find that you enjoy the time spent on the road as much as you do your time in the field.



Having a clear view of oncoming traffic during road travel is critical for safe operation of your equipment. RoGator offers the operator a new perspective with a line of sight that takes the guesswork out of safety. The illustration above clearly demonstrates how RoGator delivers the best visibility of any equipment on the market by removing the obstructions commonly found on competitors' machines.



RoGator has one of the widest cab door openings you'll find on a front-entry machine, making it easier to get in and get to work. Once inside, you'll be surrounded by 60 sq.ft. (5.5 m²) of glass for maximum visibility.



The front-entry ladder starts with a first step that's a comfortable 14" off the ground. Large, aggressive treads make for sure footing and are angled for easy access to the operator platform.



Lower boom rests are only the beginning. With the booms in transport position, the view from the operator's seat is clear and unobstructed for better visibility on the road.



The handrail and toe kick extend from the front-mounted ladder all the way to the rear of the machine to provide a wide work area, with additional safety features to help maintain stable footing on the service platform.

BEST IN CLASS CHASSIS

WHEEL BASE ADJUSTMENT

Because field conditions, crop types and application needs vary from field to field, RoGator offers unlimited wheel spacing from 120"-152" so you can adjust track widths from inside the cab, allowing you to match your wheel stance to crop row or bed width for minimal crop disturbance.



FLEX FRAME

From the frame to the booms, RoGator is built more durable than any other sprayer in its class. The C-channel frame flexes over rough terrain while maintaining the strength needed to withstand even the toughest field conditions. Heavy-duty bolted cross members provide additional stability, keeping the wheels on the ground for maximum power, dependable traction and more efficient use of fuel.





BEST IN CLASS SUSPENSION



An onboard system automatically adjusts the pressure in the air-spring suspension to deliver a smooth, level ride for superior operator comfort, while keeping the booms at a consistent height for accurate application.



Our heritage models come equipped with a leaf spring suspension that helps even out the ride over challenging terrain while maintaining responsive handling and control.

EXPLORE YOUR OPTIONS

Tight turns are no match for RoGator thanks to an amazing 23 ft. (7 m) turning radius in two-wheel steer that shrinks to an incredible 13.5 ft. (4.1 m) in four-wheel steer when you add the optional GatorTrak four-wheel steering system that provides several modes of operation.

2-WHEEL STEER

The rear wheels stay in a straight-ahead position and the machine operates as a standard RoGator.

AUTO 4-WHEEL STEER

The rear axle will begin to turn and follow the front any time the front axle is turned past 6 degrees. This allows the machine to run down the field as a standard machine and have 4-wheel steering at the end rows without the operator having to flip any switches.

4-WHEEL STEER

The rear axle will constantly monitor the front axle and automatically adjust. This gives the machine coordinated steering throughout the field.

CRAB STEERING

In this mode the rear wheels will turn in the same direction as the front. The machine will also be able to move horizontally. This can be implemented in side hill operations.



NIGHTBREAKER™ LIGHTS

Running out of daylight doesn't mean that the work is done. This optional lighting package is ideal for operators who need to burn the midnight oil. When compared to standard lighting found on most equipment, the NightBreaker™ system

- Shines up to 90% more light on the field where you need it for maximum visibility
- Has a beam up to 115 ft (35 m) longer to illuminate dangers and obstacles significantly earlier for increased reaction time
- Puts out up to 10% whiter light, which improves operator comfort by reducing dangerous eye strain



Exclusively for RoGator, Michelin's SprayBib tires use patented technology capable of running at pressures lower than that of traditional tires. Lower pressure and more pliable sidewalls deliver a larger footprint for reduced compaction, as well as better handling and ride during both field operations and road travel.



Designed specifically for use with flotation tires, RoGator flotation fenders provide exceptional tire coverage without adding unnecessary weight. They are constructed of durable materials to keep their shape after years of punishing field use.

THREE SYSTEMS. TWO APPLICATIONS. ONE CHASSIS. ALL SEASONS.

RoGator 1194 and 1396 have been designed so all of the systems and the chassis are "combo ready" for fast, easy changeover from one system to another. Having the ability to convert between a liquid application system and a dry applicator can greatly increase the return on investment by providing multi-season use of the equipment.

Everything from the placement of hydraulic lines and system components to the electrical harnesses have been carefully engineered to make changeover possible in as little as half a day – getting you and your equipment back in the field faster.





LIQUID SYSTEM

The liquid system is arguably the most critical part of any sprayer. The size of the engine, type of suspension, and cab features don't amount to much if a sprayer can't accurately deliver the product on the ground where it's needed.

RoGator's liquid system uses the best parts and the best engineering processes to bring the most consistent sprayer to the market. From the fast and easy-to-use reload station to the tip-to-tip pressure accuracy across the booms, RoGator's liquid system delivers unmatched performance for your application needs.



A high-volume option is available on the RoGator 1396 model using a 4-inch sump and plumbing. The pump is a powerful 3x2 Hypro 9307-GM12 capable of producing flow rates of 278 gpm on 120-foot booms.



RoGator offers a front reload station as an option on all models for quick and easy product loading without the need to be concerned about boom position.



Our liquid system plumbing is second to none, with a clean, straightforward design that serves up delivery accuracy with high performance. The streamlined plumbing is devoid of the sharp corners and changing hose sizes on competitors' machines that have a negative impact on performance.

Every RoGator features stable, self-leveling booms that let you keep your eyes on the field for safe operation while hydraulic pressure control and higher flow rates allow each of the five boom sections to be individually turned on or off for precision application.



The conveniently located reload station is simple to operate, with all controls clearly marked and within arm's reach of the operator for fast and easy operation.

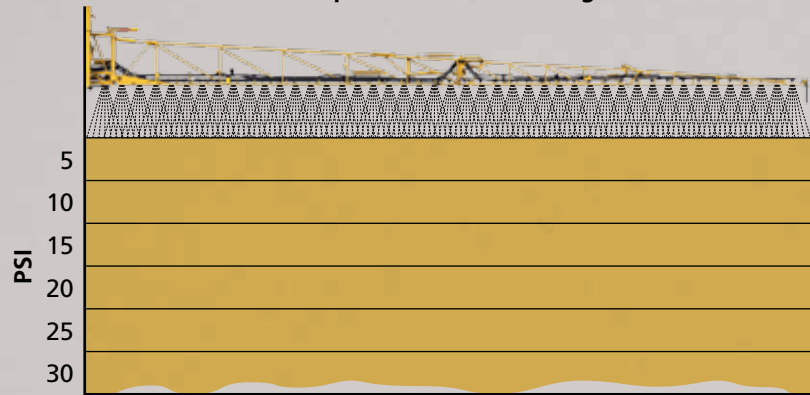


A clean-water hand rinse station is now standard on all RoGator models and is located in close proximity to the reload station. It's perfect for rinsing off tools and nozzles.

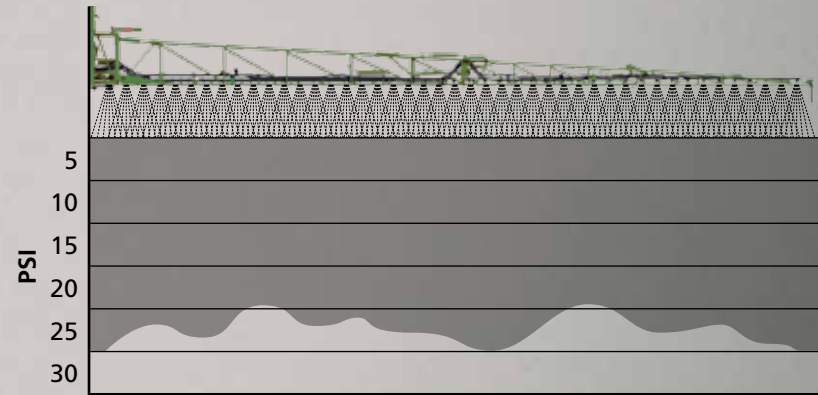
TIP-TO-TIP ACCURACY

RoGator's product delivery system is powered by a Hypro 9306 pump and a pulse width modulation (PWM) valve for maximum efficiency. Dependable tip-to-tip accuracy with as little as +/- 1 psi variance per nozzle is assured at rates as low as 10 gpm (37.85 L/min) to as high as 136 gpm (514.8 L/min) through standard plumbing. Not only is consistent and accurate product application better for your crops, it also reduces nozzle wear, resulting in lower maintenance costs.

Compare the PSI Advantage.



RoGator +/- 1 PSI



Competition +/- 3 PSI

With a choice of four boom options, you're sure to find the right configuration to fit your operation. All booms feature tip and boom breakaway for added durability. Each boom section can be turned on or off for precision application, and an electric ball-valve section control seals tight when the booms are deactivated.

Model	Boom Options
994H	60'/80', 90', 100'
994, 1194 & 1194H	60'/80', 90', 100', 120'
1396	60'/80', 90', 100', 120'

60'/80' (18/24 m) w/ 13' (3.9 m) tip and full breakaway

90' (27 m) w/ 15' (4.6 m) tip and full breakaway
100' (30.5 m) w/ 20' (6.1 m) tip and full breakaway

120' (36.6 m) w/ 14' (4.3 m) tip and 27' (8.2 m) full breakaway



SprayParts.com is a 24/7/365 connection to over 100,000 parts from quality vendors to keep you in the field and help maintain your RoGator in top operating condition.



RoGator uses a 5-way rotary type nozzle that allows for the use of multiple nozzle types without interference to boom plumbing and quick changeover for between applications.

NEW LEADER

The durable New Leader 3020 features a 258 cu.ft. (7.3 m³) hopper and is able to spread material to a width of up to 105 feet (32 m) thanks to dual 24-inch (61cm) spinners that provide the power and volume needed for high-rate applications. And thanks to an extra-wide 30" (76.2 cm) conveyor belt, even wet, heavy material like lime discharges smoothly for even and precise application.

The L3220G4 spinner applicator is a MultApplier-ready box with a "bolted in" end gate, making this system incredibly versatile. The system can apply fertilizer with rates as low as 75 pounds per acre or ag lime at rates up to 6 tons per acre.

With many innovative features, the L4330G4 is a high-capacity fertilizer applicator with a 300 cubic-foot capacity (8.5 m³) and the flexibility to add a second compartment. The G4 spinner assembly allows the applicator to spread more product faster, flatter, and further – even on windy days and under challenging weather conditions.

The L4330G4 MultApplier has all of the features of the L4330G4 single bin applicator with the addition of a second product bin. The MultApplier dual-bin system features two independent conveyors that can simultaneously apply two products at fixed or variable rates of application. More efficient use of the equipment and less need for blending of products prior to application save both time and money, and fewer passes through the field also mean less soil disturbance.





AIRMAX 180

RoGator has offered the versatility of a pneumatic spreader for more than a decade, and the AirMax 180 is a great fit for the RoGator platform. It all starts with a hopper constructed of painted 409 stainless steel on the sides and floors for added durability. AirMax 180 uses a standalone hydraulic system that includes its own 20-gallon reservoir with a built-in suction strainer and a return filter for a trouble-free system.

The system features five boom tubes made from 304 stainless steel. Each of the 3" diameter boom tubes is divided to accommodate 2 deflectors on 30" spacing for a total of 10 deflectors per boom. The boom tubes are arranged horizontally to keep the booms at the same height. This patented "Flat Flex" design delivers a more consistent and accurate spread pattern.

TECHNOLOGY SOLUTIONS

Adding Raven products to your RoGator brings an unequaled brand of precision agriculture innovation and performance to your operation.

Raven Industries and AGCO Application Equipment have been leading the way together for almost 20 years. Whether you need a simple-to-use application control system or a fully integrated field computer with internet access and assisted steering, we have a solution that fits your operation.

It's all about improving your position. Pinpointing exactly where you are in the field. Applying best management practices to grow more with less.

RAVEN

Simply improving your position.SM



RAVEN™ SCS 5000



Regardless of vehicle speed or gear selection, the Raven™ SCS 5000 provides precision control and professional performance. Simple programming and a digital boom pressure readout give you realtime information on up to 5 different products. Individual boom section controls and a manual override control provide the ability for spot application when needed.

VIPER PRO™

The Viper Pro multi-function field computer is the best in the field, with extra power and capability to drive even the most advanced system functions with ease. For professional operators and large growers looking for the ultimate in productivity and performance, Viper Pro is built to deliver.

Faster processing times and more program memory can handle extra field data. Factory-installed five-product VRA and multiple system functions have power to spare. AccuBoom™ automatic boom section control ensures no costly skips or overlaps, and AutoBoom™ automatic boom height control reduces operator fatigue and spray drift. Viper Pro's extra-large 10.4" diagonal touch-screen display with vertical orientation lets you see more and do more.



SMARTRAX™



Every field has its boundaries. But with SmarTrax assisted steering, you get to set the limits—like faster operating speeds, best-in-class line acquisition, and easier, more relaxed driving. When you're ready to get more out of your guidance system, SmarTrax is carefully designed and engineered to give you convenience, reliability and performance. Cross-the-board GPS compatibility, 3-D terrain compensation, automatic system calibration and unique yaw sensor design make all the difference in the world when your season is on the line.

RAVEN PHOENIX

The Phoenix 200 is an economical, high-performance sub-meter receiver capable of using two differential correction solutions. With an optional upgrade to e-Dif extended differential technology, the Phoenix 200 is capable of achieving GPS accuracies of a few feet without the need for a differential signal broadcast. The 200 has the antenna and receiver built into one unit. Making adjustments to the receiver must be done through a laptop computer or a Raven controller.

The Raven Phoenix 300 is a WAAS CDGPS and OmniSTAR VBS capable receiver that can be upgraded to an OmniSTAR XP and HP unit (requires subscription service). It is capable of both sub-meter and decimeter correction accuracies depending on the correction signal being used. The Phoenix 300 also boasts such functions as Simulated Radar Output, replacing the need for a radar speed sensor. The AutoRestart Mode allows for quicker differential convergence times on startup, making delays a thing of the past.



ACCUBOOM

AccuBoom automatic section control is your best protection against rising input costs and it pays for itself in no time. Greater fuel and product savings, faster spraying times, ease-of-operation and more accurate spraying all add up quickly to improve your return on investment each and every season.

With automatic on-off control for up to 10 sections, AccuBoom uses Raven's advanced CANbus technology to apply only where you want to apply, avoiding no-spray zones and eliminating wasteful overlaps.

AUTOBOOM

AutoBoom is an automated boom height control system that increases application accuracy and reduces boom wear by keeping the boom level at the optimal height. It allows the operator to spray faster and more accurately by automatically adjusting the height of the spray booms as they travel across the field.

AutoBoom uses ultrasonic sensors that gauge the distance to the ground. Two sensors are standard for 80, 90 and 100-foot booms. Four sensors are standard for 120-foot booms.

AGCOMMAND (BY AGCO)

Managing a fleet of equipment and controlling operating costs is a critical area for any successful business. With the new AGCOMMAND system, you have detailed monitoring capability to establish exactly where every machine is located at any given moment, how well they are performing and how efficiently the operators are working.

AGCOMMAND is available as a factory option on all 2011 TerraGators and RoGators. Field installation kits are available for 2010 and 2011 models. A universal kit is offered as a way to add AGCOMMAND to other vehicles, such as tender trucks and service vehicles. Maintain contact with your equipment and operators with AGCOMMAND.



ENGINE	994H	994, 1194, 1194H	1396
Make	Caterpillar	Caterpillar	Caterpillar
Type	C7 Tier III	C7 Tier III	C9 Tier III
Number of Cylinders	6	6	6
Horsepower	250 (186kW) @ 2100 rpm	275 (204kW) @ 2100 rpm	311 (232kW) @ 2100 rpm
Peak Horsepower	275 (205 kW) @ 1850 rpm	299 (223 kW) @ 1850 rpm	336 (251 kW) @ 1900 rpm
Displacement	439 cu. in (7.2L)	439 cu. in (7.2L)	538 cu in (8.8L)
Torque	888 ft-lbs (1204 n-m) @ 1400 rpm	977 ft-lbs (1324 n-m) @ 1400 rpm	1105 ft-lbs (1499 n-m) @ 1400 rpm

HYDROSTAT	994, 994H, 1194, 1194H	1396
Make	Sauer Danfoss	Bosch Rexroth
Model	Series 90	AA4VG
Displacement	6.1 cu in. (100 cc)	7.6 cu in (125 cc)

HYDRAULIC MOTOR	994, 994H, 1194, 1194H	1396
Make	Sauer Danfoss	Bosch Rexroth
Displacement	4.9 cu in (80 cc)	7.6 cu in (125 cc)

GEARBOX	994, 994H, 1194, 1194H	1396
Make	Bonfiglioli 609	Bonfiglioli 609
Gear Reduction	26.6:1	22.1:1

SPEED	994, 994H, 1194, 1194H	1396
1st	10 mph (16 kph)	10 mph (16 kph)
2nd	14 mph (22 kph)	14 mph (22 kph)
3rd	18 mph (29 kph)	18 mph (29 kph)
4th	22 mph (35 kph)	22 mph (35 kph)
5th	26 mph (42 kph)	26 mph (42 kph)
6th	30 mph (48 kph)	30 mph (48 kph)
7th	33 mph (53 kph)	36 mph (58 kph)

BRAKES	994, 994H, 1194, 1194H	1396
Primary	Hydrostatic Dynamic Braking	
Service	Disc Brakes on Front Wheels	
Parking	Multiple Discs in Gearboxes	



CAB	
Glass Area	60 sq ft (5.5 sq m)
Floor Area	14 sq ft (1.3 sq m)
Cab Suspension	Fixed with Optional Air Ride Cab
Radio	AM / FM CD with Weather Band
HVAC	Automatic Temperature Control
Filtration	Three-Level Activated Carbon
Steering Wheel	14" Leather Wrapped
Standard Seat	Air Ride Seat Suspension
Optional Seat	Semi-Active Seat Suspension with Heated Seat Cushions

WEIGHTS	994	994H	1194	1194H	1396
Weights (full fuel)	27,300 lbs. (12,409 kg)	26,300 lbs. (11,954 kg)	27,680 lbs. (12,582 kg)	26,680 lbs. (12,127 kg)	30,206 lbs. (13,725 kg)

CONTROLLERS	
Available	Raven 5000, Raven Viper Pro

SYSTEMS	994H	994, 1194, 1194H	1396
Combo Chassis	No	1194 only	Yes
Standard Liquid System	160 GPM	160 GPM	160 GPM
High Volume Liquid System	—	278 GPM (1194 and 1194H only)	278 GPM
Booms	80, 90, 100 with poly or optional stainless steel plumbing	80, 90, 100, 120 with poly or optional stainless steel plumbing	80, 90, 100, 120 with poly or optional stainless steel plumbing
Dry Systems	—	New Leader Spinner 258 cu. ft. MultiApplier Ready or MultiApplier Complete	New Leader Spinner 258 cu. ft. or 299 cu. ft. MultiApplier Ready or MultiApplier Complete, AirMax 180

FLUID CAPACITIES	994, 994H, 1194, 1194H	1396
Fuel	130 gal (492L)	130 gal (492L)
Hydraulic Reservoir	60 gal (227L)	60 gal (227L)
Engine Oil	24 qt. (22.7L)	32 qt. (30.3L)
Engine Coolant	30 qt. (32L)	34 qt. (32L)
Gear Box	4.5 qt. (4.3L)	4.5 qt. (4.3L)
Windshield Washer Reservoir	1.6 qt. (1.5L)	1.6 qt. (1.5L)



AGCO, Your Agriculture Company, is a premier manufacturer of agricultural equipment, providing high-tech solutions for professional farmers feeding the world. The company is dedicated to delivering superior customer service, innovation and quality. AGCO products are distributed in more than 140 countries worldwide.

AGCO FINANCE

At AGCO Finance, we understand that financing is as much a part of your purchase decision as the features and benefits of the product. So we're committed to providing the best means of acquiring the equipment you need, while allowing you to preserve other credit lines of operating capital.

AGCO ANSWERS

At AGCO, customer care isn't just a department. It's a commitment. Contact us with your questions. We'll do our best to answer them promptly or put you in touch with someone who can.

877-525-4384 or agcoanswers@agcocorp.com

AGCO PARTS

AGCO Parts supports the dealers with world-class or industry-leading service and provides tools like sprayparts.com for their customers to have parts information at their fingertips 24/7.



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See more at applylikeapro.com



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