

# TG8400

4-WHEEL SELF-PROPELLED APPLICATOR



TerraGator TG8400

**THE TERRAGATOR TG8400:  
BIGGEST IN ITS CLASS. BEST IN THE FIELD.**

The TG8400 continues to build on our 50-year heritage of producing equipment for professionals who depend on their applicators for their livelihood. "Durable," "dependable" and "professional" are more than just words. Every one of our machines is engineered to perform better than any other applicator in the industry. Ask your dealer for a demonstration and see for yourself.

For more information, visit [www.terragator.com](http://www.terragator.com)

**TerraGator**<sup>®</sup>





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# MORE USABLE POWER FROM THE INDUSTRY'S MOST RELIABLE TRANSMISSION

The TG8400 features AGCO's Continuously Variable Transmission (CVT). Widely recognized as one of the most reliable transmissions in the industry, the AGCO CVT has been used in more than 150,000 off-road agricultural vehicles since its inception in 1996.

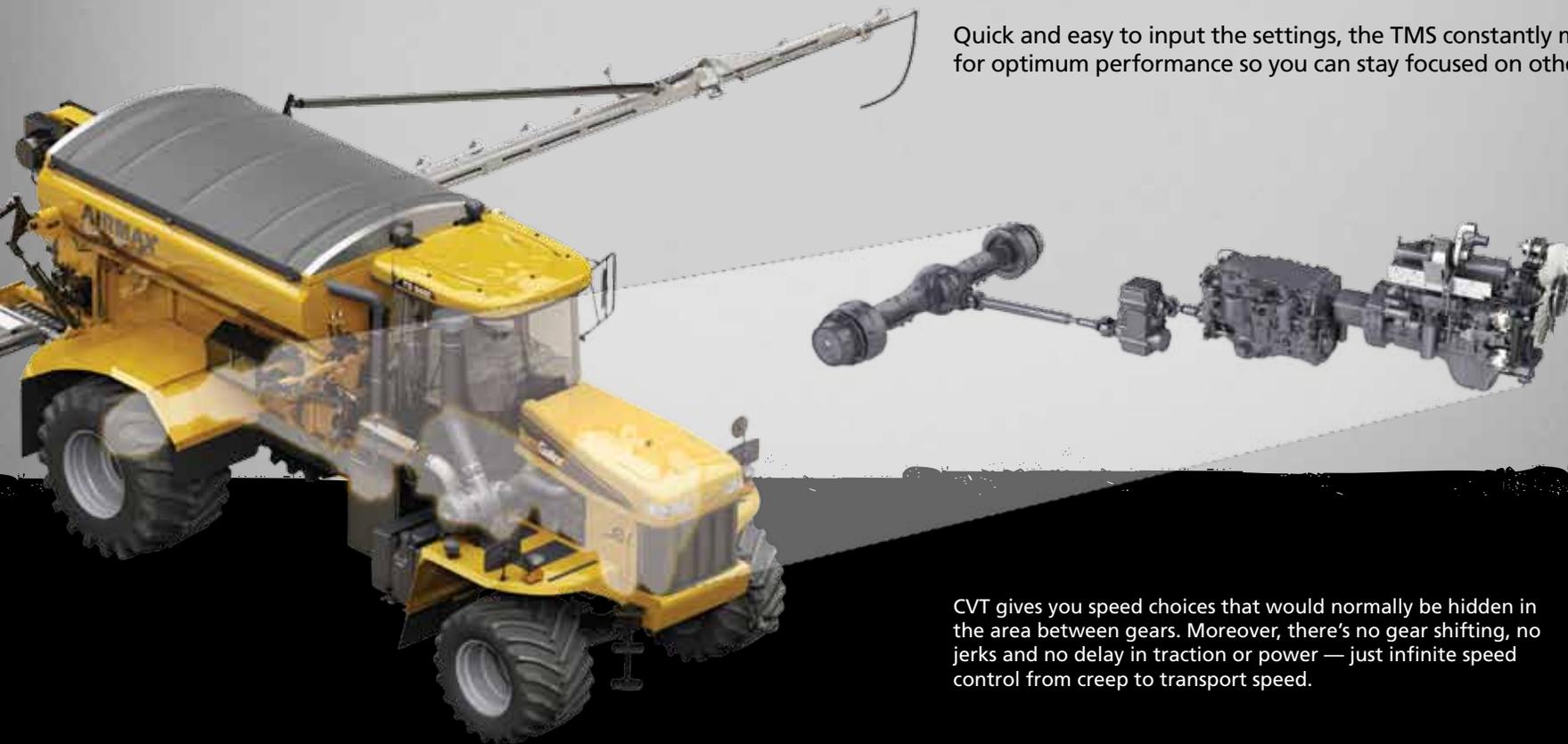
The CVT's true advantage is that it fills in the speed gaps of a conventional shifting transmission. You choose an exact ground speed, engine speed or a combination of both. Either way, you ensure firm, continuous traction to minimize wheel slip and ground disturbance.

You can control driving modes with the foot pedal, joystick or power shuttle. The power shuttle also provides seamless forward/reverse direction changes and a de-clutch mode.

## TMS REDUCES FUEL CONSUMPTION

The advanced TerraGator Management System (TMS) maintains an intelligent electronic link between the engine and transmission – using pedal or lever modes – to automatically optimize engine speed to sustain any given ground speed. This also helps reduce fuel consumption when you don't require high engine speeds.

Quick and easy to input the settings, the TMS constantly monitors for optimum performance so you can stay focused on other tasks.



CVT gives you speed choices that would normally be hidden in the area between gears. Moreover, there's no gear shifting, no jerks and no delay in traction or power — just infinite speed control from creep to transport speed.



# CLEAN TECHNOLOGY THAT LIVES UP TO YOUR PERFORMANCE STANDARDS

At AGCO, we recognize that the importance of engine technology cannot be overstated. From fuel costs to productivity to improving how you care for the land, our mission is clear — and the exclusive e3 technology in the AGCO Power engine of the TG8400 is a prime example.

Just as importantly, at a rated horsepower of 365-hp (272 kW) – and with the ability to produce a peak horsepower of 393-hp (293 kW) – the 6-cylinder, 8.4-liter power unit is the perfect match for our Continuously Variable Transmission.

## e3 TECHNOLOGY

e3 technology gives you the best platform for meeting EPA standards without sacrificing power. e3 is an SCR (Selective Catalytic Reduction) process that treats downstream exhaust with Diesel Exhaust Fluid (DEF), breaking it down into harmless nitrogen and water vapor. It's a

post-combustion, after-treatment process that takes place in the exhaust system, never interfering with engine performance.

It's an entirely different and simple technology that's designed to provide you with uncompromised horsepower and torque, significantly improved fuel economy (10–17% better)\*, cooler running and longer engine life.

## ELECTRONIC ENGINE MANAGEMENT 4 SYSTEM

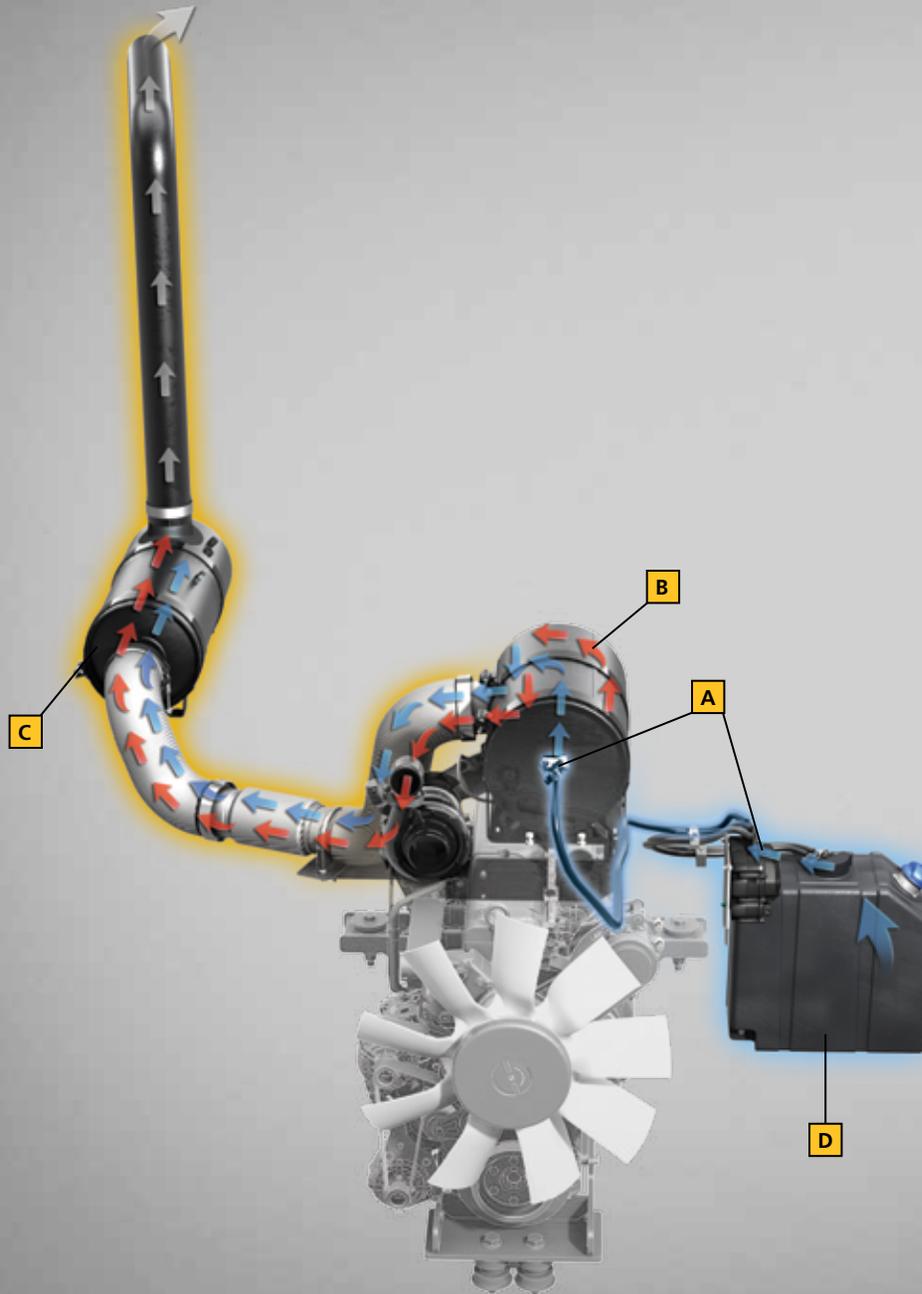
These engines also incorporate the Electronic Engine Management 4 (EEM4) system, our exclusive fuel injection system. Composed of the fuel pump, common rail, injectors and ECU, EEM4 ensures accurate and precise timing of fuel flow to the injectors for incredibly efficient use of resources.



 Road Speed  
 Field Speed



\*Documented test results from the Nebraska Test Lab show tractors using e3 technology have up to 17% increased fuel economy over comparable tractors using EGR.



### e3 TECHNOLOGY AT-A-GLANCE

- A** The pump and injection system unit reacts to the emissions output of the engine by continuously varying the amount of DEF added to the exhaust stream — effectively maintaining control of emissions released into the environment.
- B** Diesel Oxidation Catalyst (DOC) takes particulate matter and reduces it 20 – 50%, depending on operating conditions.
- C** In the SCR catalyst chamber, nitrogen oxides (NOx) are transformed into harmless nitrogen gas and water vapor.
- D** 15-gallon tank to hold DEF.

To learn more about e3, visit [www.agcocorp.com/e3](http://www.agcocorp.com/e3)

# BUILT TO TACKLE TOUGH TERRAIN

The TG8400 can handle the demands of spreading or spraying crop inputs over rough terrain day after day, year after year, while delivering a consistently good ride. Reduced wheel slip in soft fields and superior traction in rolling terrain are just two ways you're assured of the durability and dependability of these 4-wheel floaters.

## CHASSIS BUILT EXCLUSIVELY FOR AG USE

With its double C-channel frame rails and a 110,000 psi yield strength, this chassis is designed to reduce torsional stress so it flexes over rough, uneven terrain for consistent, precision application.

- Frame rails, and front and rear tow hooks are heat-treated for additional strength
- 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
- Rugged design crafted for ag use, not a modified truck frame



## NO TRUCK AXLES HERE

These machines use rugged AxleTech® off-road wide track axles that are designed for high-flotation tires. In fact, at a whopping 42,000-pound (19,050 kg)-rated capacity, it's the highest-rated axle in the industry.

The rear axle drive also comes equipped with air cam-actuated drum brakes with automatic slack adjusters. These automatically adjust to maintain proper brake setting and reduce maintenance.





### **EASY RIDING FEATURES**

At 201 inches (510.4 cm), the wheelbase is the longest in the industry. That's good news for you, because a longer wheelbase produces a better ride so you're not worn out after a day in the field. Plus, it reduces the effects of rough fields on your machine, system and booms.

Other fatigue-reducing features include:

- Heavy-duty, multi-leaf front- and rear-variable leaf springs
- Rear auxiliary springs
- Air-applied, spring-released drum brakes

### **INDUSTRY-LEADING PAINT AND FINISH PROCESS**

The TG8400 features an industry-leading paint and finish process that provides exceptional resistance to fertilizer corrosion, humidity and weather conditions to keep your machine looking great for years.

Each component is individually painted prior to assembly with a rust-inhibiting epoxy and primer and a high-gloss acrylic urethane topcoat using an airless, electrostatic spray process for maximum penetration. The chassis is shot-blasted, degreased and phosphate-treated prior to painting for maximum paint adhesion and corrosion resistance.



### **ANTI-KICKBACK STEERING KEEPS SHOCK LOADS AWAY**

These machines are equipped with a dynamic load-sense steering system that gives you smooth steering and can be operated even if you lose power. This steering system has an anti-kickback design to keep shock loads from transferring to the steering wheel.



# TOTAL CONTROL IN ONE COMFORTABLE PACKAGE

Our six-post design offers exceptional visibility and is the industry's only cab engineered specifically for application equipment. These cabs boast a wide, panoramic front windshield, large side windows and a glass door so you've got unobstructed views in every direction.

Positive cab pressure maintained by a separate pressurization unit keeps unfiltered air out, while a three-stage filtration process, with both internal and external filters and active carbon cleaning, keeps the cab air virtually dust- and odor-free. The HVAC system comes standard with automatic temperature control.

## FLOATING ARMREST

The right-hand armrest floats with your seat movement so you never have to search or reach for a control. It's adjustable and holds all of the functions you need for field operation in one logically laid-out, convenient space.

## TERRAGATOR MANAGEMENT CENTER

This information panel displays the main drive settings of the CVT, as well as other vital data such as fuel usage, battery voltage and transmission temperature.

Other cab features include:

- Easy entrance, wide steps
- Adjustable steering wheel
- Powershuttle lever on the left steering column
- Touch-pad TMC access control on the right steering column
- Radio, multiple power outlets
- Semi-active seat/optional air ride seat/optional leather seat
- Shock and vibration isolation materials



Shown in optional leather, our semi-active seat is standard on all machines. This deluxe seat suspension has real-time, automatic dampening to match field terrain and your personal preferences.



Boom control switches and additional presets are logically arranged and within easy reach.



Use the joystick to manage ground speeds. It also contains the master apply switch to control application functions.

# LIQUID SYSTEMS THAT CAN HANDLE ANY FIELD





A TG8400 Series machine is equipped with a liquid system that handles just about any field you'll ever encounter. Stainless steel, 1,800-gallon product tanks, a 60-gallon (227.1 L) foam marker and conveniently located eductor all combine to create a professional liquid delivery system.

Important delivery system features:

- **Streamlined plumbing** – Designed for easy access and cleanout; delivers professional results with improved product flow and reduced turbulence.
- **Durable, hydraulically driven product pump** – Located at the reload station, the gear pump attaches directly to the pressure manifold for increased output.
- **Fail-safe sump valve** – The air-actuated sump valve is on the bottom of the product tank and automatically closes if air pressure is lost.
- **Separate hydraulic system** – The system has its own reservoir and an independent oil cooler equipped with a fan and temperature gauge.

The TG8400 gives you a choice of spray booms, from fixed height with breakaway options to adjustable boom height. All of our booms are available in either a straight 80-foot (24.4 m) version or a versatile

60/80-foot (18.3/24.4 m) width. Both widths offer hose or stainless steel boom plumbing with 30- or 60-inch (76.2/152.4 cm) nozzle spacing for precision application, which you control from the cab.

### **TERRAGATOR BOOM**

Fixed-height TerraGator booms feature a unique design that allows full boom breakaway in both forward and reverse, as well as five-foot (152.4 cm) tip breakaway. Dual hydraulic cylinders in place of springs control these booms, whether you're in the field or folding them up for transport.

### **BENSON BOOM II™**

Ideal for accurate applications on hillsides and rough, uneven terrain, the Benson Boom's center-pivot boom tree design lets you manage spray heights from 21 to 75 inches (53.3 – 190.5 cm), while separate boom leveling cylinders allow the system to maintain a stable, level platform independent of vehicle movements.

You control everything from inside the cab, so you can even override the system and tilt the boom tree when you need to match boom height to the terrain.

# DRY SYSTEMS GIVE YOU UNLIMITED DELIVERY OPTIONS



Pneumatic booms or spinners – single or multiple bins – no other piece of application equipment gives you more choices for product application than TerraGator. And when you need an air system, you can't beat the high-volume capacity and output capabilities of our Air Spreader™ or AirMax Precision™ systems. Whether it's windy days or poor-quality

fertilizer, AGCO's air delivery systems are always up to the challenge of delivering continuously accurate application. No matter which system you choose, you can rest easy knowing that it features durable construction and corrosion-resistant materials for dependable performance.

# WORK SMARTER WITH TECHNOLOGY SOLUTIONS

RAVEN

*Simply improving your position.<sup>SM</sup>*



## RAVEN™ SCS 5000

Simple programming and a digital boom pressure readout give you real-time information on up to five different products, regardless of vehicle speed or gear selection. Individual boom section controls and a manual override control provide the ability for spot application.



## VIPER PRO™

Our most capable controller, the Viper Pro multi-function field computer delivers the ultimate combination of operating power and program capability.

With additional hardware, these units are capable of handling up to five-product VRA and multiple system functions, including **AccuBoom™** automatic boom section control to ensure no costly skips or overlaps and **AutoBoom™** automatic boom height control.

## SMARTRAX™

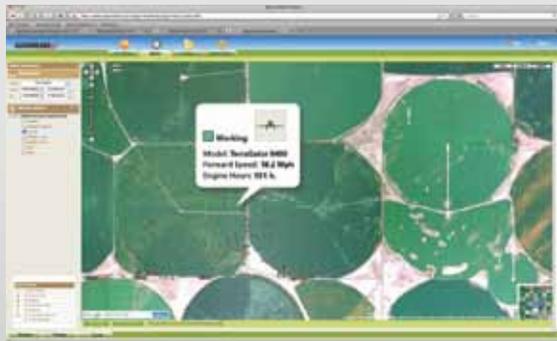
When you're ready to get more out of your guidance system, SmarTrax is designed to give you faster operating speeds, best-in-class line acquisition and easier, more relaxed driving. Across-the-board GPS compatibility, 3-D terrain compensation, automatic system calibration and unique yaw sensor design make all the difference in the world when your season is on the line.

## AGCOMMAND

The AGCOMMAND telemetry system is a low-cost, easy-to-use data recording and management solution that lets you know where every machine is at any given moment, how well it is performing and how efficiently your equipment is being used. Use the data to manage uptime efficiency, maximize productivity and increase profitability.

### How AGCOMMAND Works

The AGCOMMAND system collects GPS satellite location and machine performance data every 60 seconds. The data is accessed through an easy-to-use website. This mobile system can be fitted to any piece of machinery in a fleet, regardless of brand.



### Organize and Improve Your Operation's Performance

Track engine hours, fuel consumption, operator efficiency and field-specific machine information.

### Plan and Track Maintenance

Service alerts can be set to signal maintenance intervals. Alerts can also be set to notify your dealer for faster service response times.

### Geo-Fencing and Logistics

Create geo-fences to track when machines enter or exit designated areas. Anticipate routine tasks like refueling machines and refilling spreaders and spray tanks. The system even plots a machine's exact position on the map so it can be quickly located.

### Internal Memory Holds Data

If a machine leaves a GPRS coverage area, the onboard module records its location and performance data for up to 50 hours.

### Efficiency

Managers using AGCOMMAND to operate a fleet of sprayers and fertilizer spreaders have reported an increase in revenues of \$1,800 per day by using logistics to minimize refueling and refilling downtime, as well as geo-fences to reduce spraying errors.

# AGCOMMAND™

## FALCON VT (BY AGCO)

The Falcon VT is capable of variable-rate applications of up to seven products at the same time.

All information — from application rates to coverage maps — is displayed on a large, 10.4-inch (26.4 cm), easy-to-read touch-screen. Prescription maps and as-applied reports are easily transferred between the Falcon VT and a computer using SD memory cards.



#### ENGINE

Make / Type	AGCO Power / 8.4 CTA EPA Tier 4i
Number of cylinders	6
Displacement	8.4 L (513 CID)
Horsepower	365 HP (272.2kW) @ 2100 rpm
Peak horsepower	393HP (293.1 kW) @ 1950 rpm
Torque	1,136 ft-lbs (1,540.2 N-m) 2100 rpm

#### TRANSMISSION

Type	AGCO ML-260 Continuously Variable Transmission	
Forward Speeds	<b>1000/50R25 Rear Tire Option</b>	<b>1050/50R32 Rear Tire Option</b>
High Range mph (km/h)	0 – 42 (0 – 68)	0 – 26 (0 – 42)
Low Range mph (km/h)	0 – 46 (0 – 74)	0 – 29 (0 – 46)

#### AXLES

Front	AxleTech FS25, steering type with 16.5 in x 6 in Q-Plus™ heavy-duty cam brakes
Rear	AxleTech PRC-67 wide track with a 14.8:1 ratio, double reduction outboard planetary with 18 in x 7 in full air-“S” cam-actuated drum type brakes

#### SUSPENSION

Type	Heavy-duty front and rear leaf springs with auxiliary rear leaf springs
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#### STEERING

Type	Dynamic load sense
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#### TIRES

Front	Goodyear® Radial (Standard) 48X31R20 Goodyear® Radial (Optional) 54X31R26
Rear	Goodyear® Radial (Standard) 1000/50R25 Goodyear® Radial (Optional) 1050/50R32 Michelin® Radial (Optional) 1000/50R25 Michelin® Radial (Optional) 1050/50R32

#### FLUID CAPACITIES

Fuel	165 gal. (625 L)
DEF (Diesel Exhaust Fluid)	15 gal. (56.8 L)
Engine coolant	8 gal. (30.3 L)
Engine oil	6 gal. (22.7 L)
Transmission oil	14 gal. (53 L)
Hydraulic reservoir	12 gal. (46 L)



#### APPLICATION CAB

Glass area / floor area	58 sq.ft. (5.4 m <sup>2</sup> ) / 14 sq.ft. (1.39 m <sup>2</sup> )
Cab suspension	Air-ride cab
Radio	AM/FM / stereo / CD-MP3-compatible / weather band
HVAC /filtration	Automatic temperature control / 3-level activated carbon
Steering wheel	14-in. (35.8 cm) diameter
Standard seat	Semi-active seat suspension with heated seat cushions
Optional seat	Leather semi-active or air ride seat

#### AIR SYSTEM

Compressor	Engine-mounted
Governor	120 psi (8.2 bar)
CFM	14.1 cfm (6.7 L/s)
Reservoir	Dual

#### WEIGHTS

Rated capacity front	16,000 lbs. (7,257 kg)
Rated capacity rear	42,000 lbs. (19,050 kg)
Approximate front weight	9,338 lbs. (4,236 kg)
Approximate rear weight	10,758 lbs. (4,880 kg)

#### SYSTEMS/CONTROLLERS

Systems available	<b>Liquid systems:</b> 1,800-gal (6,814 L) (TerraGator boom or Benson Boom II)
	<b>Dry systems:</b> AirMax Precision, AirMax Precision 2, AirSpreader Twin Bin, New Leader L400G4 Spinner

Controllers available	Falcon VT, Raven 5000, Raven Viper Pro
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#### DRY SYSTEM DELIVERY CAPACITIES

AirMax Precision	Single bin	310 cu.ft. (8.8 m <sup>3</sup> )
AirMax Precision 2	Adjustable, split bin	300 cu.ft. (8.5 m <sup>3</sup> )
Air Spreader	Single bin, multiple products	315 sq.ft. (8.9 m <sup>2</sup> )
Soilection Twin Bin	Two bins	290 cu.ft. (8.2 m <sup>3</sup> )
New Leader L4000G4	Single bin, optional inserts	up to 331 cu.ft. (9.4 m <sup>3</sup> )



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](mailto:agcoanswers@agcocorp.com)

#### **AGCO PARTS**

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# TerraGator®

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AGCO Corporation, 4205 River Green Parkway, Duluth, GA 30096 | TG11B002DS (05) 15 PD