



# Terra-Gator 4-Wheel Applicator Chassis

*The Solid Leaders in the Field*

## High Volume Systems Provide Maximum Field Productivity

It's your choice. Ag-Chem System options offer high capacity application systems designed specifically to fully utilize the power and performance of every Terra-Gator.

### AIRMAX V®

Provides pneumatic operation with fewer moving parts. Moves product in a straight free fall from conveyor chain to boom for reduced particle damage. Exclusive Quad-Lap™ coverage maintains a smooth and consistent application blanket.

### AIRMAX 1000™

The single bin pneumatic system. Unique "dual fin" nozzle design splits product for high rate effectiveness.

### AIRMAX 2000™

The top of the line dual bin pneumatic SOILECTION® system. Two main product bins feature increased capacity and output. 50 to 1,200 lbs./acre rate provides the highest application rates available.

### Air Spreader™

Large 26-inch distribution head provides the product flow required for high application rates. Dual fans generate air pressure individually to the left and right boom. Simple operation and easy clean-up provide an operator-friendly system.

### Spinner Spreader

Maximum 14-foot box allows application of up to four tons of lime per acre to complete large fields quickly.

### VRT® Options

Add an optional patented FALCON® II Controller and any of the dry fertilizer systems become a full VRT applicator. Add wet boom and/or granular options and you can apply up to six products in one field pass.

### SOILECTION® TWIN BIN™

The perfect system to enter into site-specific agriculture and utilize Ag-Chem's complete site-selection solution. Two compartment main box and optional granular bins provide the application options growers request.

### Liquid Systems

The 1,800-gallon tank (2,400 gals. on the 9103), independent left/right boom operation, pressure throttling and choice of boom widths make this liquid system a performance leader.



8104  
8144



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## Rugged Off-road Applicators . . . Specifically Designed for the Job They Do

Productivity begins and ends with the right equipment. If you want the job done efficiently and effectively, make sure the machine matches the task. In other words, make sure you're driving a 4-wheel Terra-Gator.

### **Built exclusively for off-road use**

Instead of being modified for field work, every 4-wheel Terra-Gator is built on a rugged frame, and engineered specifically to withstand the tough conditions of everyday field application.

### **Power to spare**

In the custom application business, power yields productivity. Terra-Gators' 6-cylinder, turbo-charged diesel engines get in the field sooner, stay longer and carry bigger payloads.

### **Fuel efficient**

Terra-Gator tanks not only carry more fuel, but use it more efficiently. You save time and money with fewer refueling stops during long days in the field.

### **Reliable and Dependable**

Less downtime means more field time. And every Terra-Gator 4-wheel applicator comes standard with

the best service in the business and the largest volume of parts inventory.

### **Technologically advanced**

Dual-cluster Electronic Instrument Panels give you up to 15 programmable options. Speed, RPMs, fluid levels, temperature and more are always within view while you keep your eyes on the field.

### **Comfort for long days in the dirt**

360° view windows, a wide full-view door, large air shock seat with fore/aft isolators, reclining/lumbar back, eight multi-level heating and cooling vents, and more.

### **Solid resale value**

Terra-Gator's great performance in the field continues at trade-in time. Dependable 8104's and 8144's hold their value even after years of high volume applications.



Built to withstand the toughest field conditions.



*Spread it around. Whether you need the 2-wheel drive 8104 or the 4-wheel drive 8144, you can be assured your Terra-Gator is a powerful, profitable package of performance.*



Four wheels, 300 horses, and a heavy-duty rear-drive axle. Not to mention total control right at your fingertips. That's just part of how the Terra-Gator 8104 can get you in the field fast, keep you out there longer, carry bigger payloads and save time and money.

**Meritor™ rear-drive axle** features dual final reduction, producing the torque needed to move heavy payloads (not to mention excellent stopping capabilities).

**The industry-leading Terra-Shift™ transmission** is specifically designed for flotation applicators, providing more usable field speed choices and operator convenience.

**Electronically controlled 6-cylinder, turbo-charged engine** delivers 300 horsepower.

**Double-C channel frame** is designed to flex with uneven field terrain.



# 8144

Durability and unparalleled performance in a four-wheel drive chassis.



Want two-wheel drive? You've got it. Need a little four-wheel drive action? Simple. Just flick a switch on the Terra-Gator 8144 and you're there. This is one solid machine, built exclusively for off-road use.

**FABCO® front-drive axle** provides the sure-footed traction of four-wheel drive, reduces ground disruption in low traction situations, and enhances cornering and hillside traction.

**The industry-leading Terra-Shift™ transmission** is specifically designed for flotation applicators, providing more usable field speed choices and operator convenience.

**Electronically controlled 6-cylinder, turbo-charged engine** delivers 300 horsepower.



## A Cab-full of Comfort and Control

It's an operator's station that combines efficiency with comfort and convenience with control. No matter which Terra-Gator model suits your needs best, you'll find a cab ergonomically designed to maximize productivity for whoever has their hands on the wheel.



- 360° view windows
- Wide, full-view door for easy step-in/out access
- Large, air-suspended seat built with fore/aft isolators and reclining/lumbar back features.
- More than 35 warning indicator lights, instrumentation and controls are within sight without removing your eyes from the field.
- Dual cluster Electronic Instrument Panels (EIP) allow 15 programmable options for displaying critical functions like speed (radar or transmission), engine RPM and fluids, in English or metric readouts.
- Equipment and application functions are electronically controlled, eliminating high-pressure and hydraulic fluids from entering the cab, reducing noise and the risk of exposure.
- Customized ventilation with eight multi-level heating and cooling vents and a continuous supply of 20-30% fresh air.
- Overhead controls for climate and lighting.
- Lighted entry
- Three-way dome lighting
- Triple auxiliary power outlets
- Auxiliary radio mount
- Cup holders
- In-cab storage
- Personal rinse tank provides clean water rinse.
- Right hand console puts all system functions within easy reach. Shift lever, cruise control switches and armrest move with the seat to maintain a comfortable arm position.



## TerraGator Chassis Specifications

# 8104

<b>Engine</b>	John Deere® 6081H 8.1L (494 cu. in.) 6 cylinder turbo charged diesel engine, 300 (322 peak) horsepower (240kW) @ 2,200 RPM. Peak torque of 968 lb.-ft. (1313 n-m) at 1,400 RPM. Block heater, cruise control, EPA/CARB/EEC off-road certified. Tier II emissions certified. Three point rubber engine mount. 28 inch (71 cm.), 9-blade suction fan. Engine cold weather block heater, 1,000 watt. Cruise control.
<b>Transmission</b>	Terra-Shift™ transmission, tap up or down shift-on-the-go (under full power). Gear steps as low as 12.7%, initial gear engagement with or without use of “inching pedal”, 11 speeds forward (start in any gear up to F3), 3 reverse speeds. Select between manual or Select-Shift™ mode where transmission will automatically upshift and downshift at certain engine RPM.
<b>Frame</b>	Heat-treated straight C-channel frame rails with internal full channel reinforcement, 110,000-psi average yield; 3,690,700 in/lb RBM. Heavy-duty cross members. Front & rear tow hooks.
<b>Cab</b>	Three point rubber cab mount, air-ride seat, seat belt and full-view door. Three-level environmental filtration, multi-duct heat and air conditioning. No high pressure fluids (product, hydraulic) in operator compartment. Radio: AM/FM/stereo/cassette. Heavy duty rectangular windshield glass. Tempered side and rear glass. Air suspension system.
<b>Rear Axle</b>	Meritor® dual final reduction with 13.42 ratio, 32,000 lb. (14,970 kg) load capacity at 92.5” (234 cm) track and flotation tires. 96.10 flange to flange.
<b>Front Axle</b>	Eaton® EFA 22T2, 6” dia x .625 wall tubular beam, steering type. 13,000 lb. Rating @ 97 inch track.
<b>Service Brakes</b>	Full air, cam actuated drum, front 16.5x6”, and rear 16.5x7”. Two shoe design.
<b>Parking Brakes</b>	Spring actuated, rear axle. Automatic reset slack adjusters front and rear axle.
<b>Steering</b>	Dynamic load sense steering unit with dual displacement. 15.9 cu. in. (260 cc) for power steering mode and 3.7 cu. in. (60 cc) for manual (emergency) steering without an emergency steering pump. A 2,100 PSI (145 BAR) relief valve and a 3,000 PSI (207 BAR) shock valve protect the system. Engine mounted, direct driven 1.94 CIR (31.8 cc/R) gear pump with load sense type priority valve. 2.5” bore (279 mm) stroke steering cylinders with long life piston seals, honed bore, chrome plated rod and self aligning special ball bushing ends.
<b>Fuel System</b>	130-gallon (492L) total fuel capacity with an equalization tube between two 65-gallon (246L) tanks. This allows tanks to be filled from either side at ground level.
<b>Electrical System</b>	12 volt, negative ground with 200 amp alternator and two maintenance free batteries (700 cca), and eight halogen work lights, two sealed beam halogen road lights with high/low beams, combination turn indicators/four-way flashers, tail/brake lights, instrument panel lights, cab entry lighting, triple utility outlets for cell phones, radios, etc. Fuse panel for lighting, electronics, engine and other electrical, plus extra power for added electrical use. Automatic back up alarm: 112 DBA. Master battery disconnect switch, radar speed sensor.
<b>Air Cleaner</b>	Dry type with centrifugal pre-cleaner, replaceable primary element, safety element, automatic dust evacuator with restriction indicator.
<b>Exhaust</b>	Upright frame mounted with cab isolation.
<b>Tires</b>	<ul style="list-style-type: none"> <li>• Front: 48x31.00-20 10-ply.</li> <li>• Rear: 66x43.00-25 16-ply.</li> </ul> Optional: <ul style="list-style-type: none"> <li>• Front: 54x31.00-26 10 ply.</li> <li>• Rear: 73x44.00-32 16 ply.</li> </ul>
<b>Paint &amp; Finish</b>	Chassis is shotblasted, degreased and phosphatized prior to painting for maximum paint adhesion and corrosion resistance. Primer is rust inhibiting epoxy. Final coating is yellow and white high gloss, acrylic urethane, highly resistant to chemical, humidity, sun and weather conditions. Low sheen black, glare-resistant engine hood top. Primer and finish coatings are applied with an airless, electrostatic spray process for maximum penetration and coverage.
<b>Chassis Dimensions</b>	<ul style="list-style-type: none"> <li>• Back of cab to centerline of rear axle: 95.0 inches (2.41M)</li> <li>• Centerline of rear axle to end of rear frame: 55.0 inches (1.40M)</li> <li>• Wheel base: 187 inches (4.75M)</li> <li>• Rear frame width: 34 inches (.86M)</li> <li>• Tire track, rear: 92.50 inches (2.35M)</li> <li>• Rear tires, outside to outside: 135.5 inches (3.44M)</li> <li>• Tire track, front: 98.8 inches (2.51M)</li> <li>• Front tires, outside to outside: 128 inches (3.25M)</li> </ul>
<b>Chassis Weight</b>	<ul style="list-style-type: none"> <li>• Front: 12,452 lbs. (5,647 Kg)</li> <li>• Rear: 8,500 lbs. (4,536 Kg)</li> <li>• Total: 20,952 lbs. (10,183 Kg)</li> </ul>
<b>Chassis Rated Capacity</b>	<ul style="list-style-type: none"> <li>• Front: 13,000 lbs. (5,443 Kg)</li> <li>• Rear: 32,000 lbs. (14,970 Kg)</li> </ul>

# 8144

<b>Engine</b>	John Deere® 6081H 8.1L (494 cu. in.) 6 cylinder turbo charged diesel engine, 300 (322 peak) horsepower (240kW) @ 2,200 RPM. Peak torque of 968 lb.-ft. (1313 n-m) at 1,400 RPM. Block heater, cruise control, EPA/CARB/EEC off-road certified. Tier II emissions certified. Three point rubber engine mount. 28 inch (71 cm.), 9-blade suction fan. Engine cold weather block heater, 1000 watt. Cruise control.
<b>Transmission</b>	Terra-Shift™ transmission, tap up or down shift-on-the-go (under full power). Gear steps as low as 12.7%, initial gear engagement with or without use of “inching pedal”, 11 speeds forward (start in any gear up to F3), 3 reverse speeds. Select between manual or Select-Shift™ mode where transmission will automatically upshift and downshift at certain engine RPM. 2WD / 4WD indicator.
<b>Frame</b>	Heat-treated straight C-channel frame rails with internal full channel reinforcement, 110,000-psi average yield; 3,690,700 in/lb RBM. Heavy-duty cross members. Front & rear tow hooks.
<b>Cab</b>	Three point rubber cab mount, air-ride seat, seat belt and full-view door. Three-level environmental filtration, multi-duct heat and air conditioning. No high pressure fluids (product, hydraulic) in operator compartment. Radio: AM/FM/stereo/cassette. Heavy duty rectangular windshield glass. Tempered side and rear glass. Air suspension system.
<b>Rear Axle</b>	Meritor® dual final reduction with 13.42 ratio, 32,000 lb. (14,970 kg) load capacity at 92.5” (234 cm) track and flotation tires. 96.10 flange to flange.
<b>Front Axle</b>	Fabco® steerable drive axle Model SDA-2100 double reduction with 9.77 ratio. Single Cardan C U-joint design. 13,000 lb. (5,897 kg) rating @ 99.5” (253 cm) track and flotation tires.
<b>Service Brakes</b>	Full air, cam actuated drum, front 16.5x6”, and rear 16.5x7”. Two shoe design.
<b>Parking Brakes</b>	Spring actuated, rear axle. Automatic reset slack adjusters front and rear axle.
<b>Steering</b>	Dynamic load sense steering unit with dual displacement. 15.9 cu. in. (260 cc) for power steering mode and 3.7 cu. in. (60 cc) for manual (emergency) steering without an emergency steering pump. A 2,100 PSI (145 BAR) relief valve and a 3,000 PSI (207 BAR) shock valve protect the system. Engine mounted, direct driven 1.94 CIR (31.8 cc/R) gear pump with load sense type priority valve. 2.5” bore (279 mm) stroke steering cylinders with long life piston seals, honed bore, chrome plated rod and self aligning special ball bushing ends.
<b>Fuel System</b>	130 gallon (530 liter) total fuel capacity with an equalization tube between the 65 gallon (246L) tanks. This allows tanks to be filled from either side at ground level.
<b>Electrical System</b>	12 volt, negative ground with 200 amp alternator and two maintenance free batteries (700 cca), and eight halogen work lights, two sealed beam halogen road lights with high/low beams, combination turn indicators/four-way flashers, tail/brake lights, instrument panel lights, cab entry lighting, triple utility outlets for cell phones, radios, etc. Fuse panel for lighting, electronics, engine and other electrical, plus extra power for added electrical use. Automatic back up alarm: 112 DBA. Master battery disconnect switch, radar speed sensor.
<b>Air Cleaner</b>	Dry type with centrifugal pre-cleaner, replaceable primary element, safety element, automatic dust evacuator with restriction indicator.
<b>Exhaust</b>	Upright frame mounted with cab isolation.
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<b>Chassis Weight</b>	<ul style="list-style-type: none"> <li>• Front: 13,320 lbs. (6,041 Kg)</li> <li>• Rear: 8,500 lbs. (4,536 Kg)</li> <li>• Total: 21,820 lbs. (9,897Kg)</li> </ul>
<b>Chassis Rated Capacity</b>	<ul style="list-style-type: none"> <li>• Front: 13,000 lbs. (5,443 Kg)</li> <li>• Rear: 32,000 lbs. (14,970 Kg)</li> </ul>