

# RoGator Sprayers

874 • 1074 • 1074C



 **RoGator**<sup>®</sup>  
ag-chem<sup>®</sup> the right chemistry

TO CONTACT YOUR LOCAL SALES REPRESENTATIVE, CALL

**1-877-4AG-CHEM**

[www.rogator.agcocorp.com](http://www.rogator.agcocorp.com)

# Designed and Engineered for **DEMANDING CONDITIONS**

For more than 40 years, Ag-Chem equipment has been designed to fit the demands of custom applicators and innovative growers. Each RoGator is exclusively designed from the ground up to do one job and to do it better than any other applicator in the industry.

**The 874, 1074 and 1074C sprayers are versatile enough to handle pre- and post-emerge applications:**

- Chemicals are discharged from the rear, away from the front-mounted engine to maximize performance and minimize engine maintenance.
- RoGator's boom racking design provides a clear view of traffic for optimal on-road travel.
- An integral side-by-side cooling system reduces debris build-up between coolers and allows simultaneous air flow through the radiator, charge-air cooler, oil cooler and A/C condenser.
- RoGator's wheel-leg stance offers a narrow, tucked-in profile.
- Exclusive C-channel frame absorbs shocks and flexes with field conditions.



*RoGator self-propelled sprayers are the top choice of agricultural professionals everywhere*



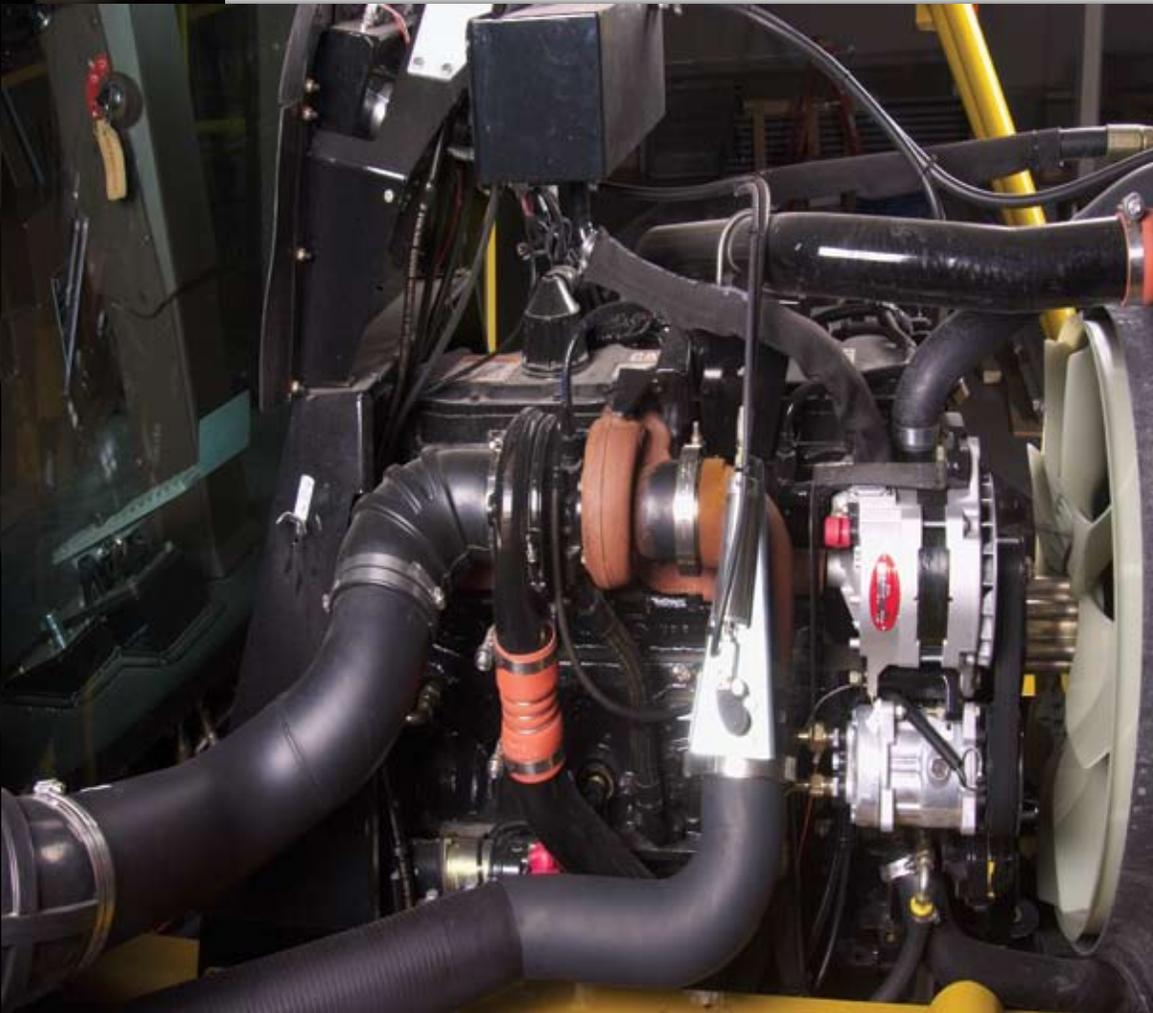


Exclusive C-channel frame

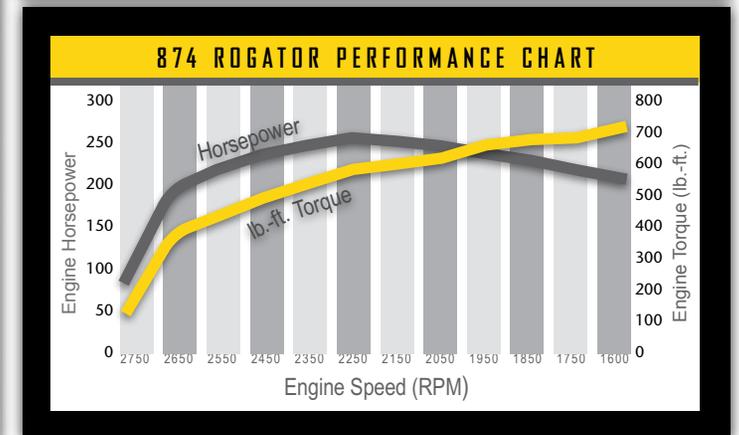
**RUGGED**

# Power to Meet THE CHALLENGE

Weeds, insects and crop disease don't wait for dry fields. In fact, they often thrive when field conditions are at their worst. That's why this RoGator series is powered by Tier II Caterpillar® engines. These powerful, highly reliable engines have what it takes to get the job done in the best and worst of field and weather conditions.



	874	1074/1074C
Engine	Tier II CAT 3126B	Tier II CAT 3126B
Displacement	7.2 liter (439 cu. in.)	7.2 liter (439 cu. in.)
Horsepower	250 hp (186 kW)	275 hp (204 kW)
Power Bulge	275 hp (205 kW)	299 hp (223 kW)





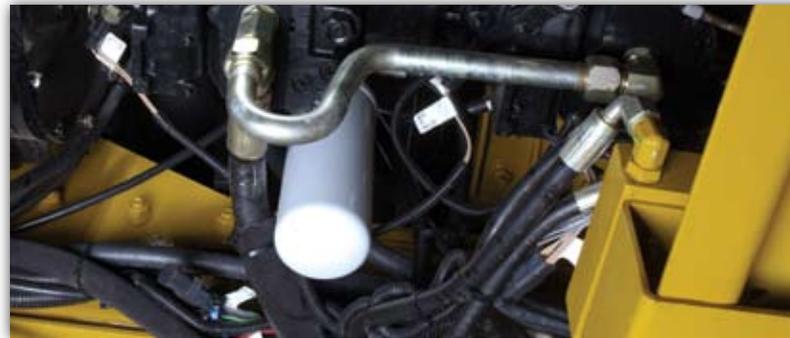
## MAXIMUM POWER TO THE GROUND

This RoGator series features radial-piston, direct-drive motors on all four wheels. Low- and high-speed modes provide 4-wheel drive in all four gears.



## EXCLUSIVE C-CHANNEL FRAME

Modified carbon steel beams absorb shocks and flex to handle rough terrain.



## SAUER-DANFOSS HYDRAULIC PUMPS MAXIMIZE POWER AND TORQUE

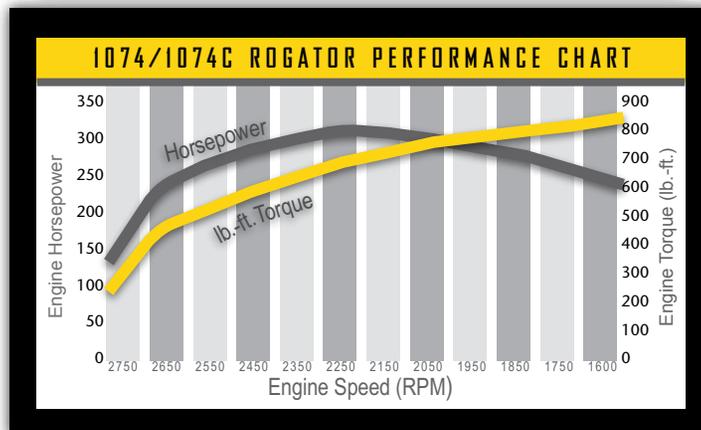
These RoGators are equipped with Sauer-Danfoss Tandem 90 Series hydraulic pumps that provide precise pressure control and higher flow rates to reduce unwanted pressure spikes.



## 60-GALLON HYDRAULIC RESERVOIR

A high-capacity, 60-gallon hydraulic reservoir keeps fluid cooler and delivers enough capacity to handle auxiliary hydraulics.

SPRAYER MAX SPEEDS	
Low 1	12 mph (18 kph)
Low 2	15 mph (22 kph)
Medium	19 mph (30 kph)
High	32 mph (52 kph)



# POWERFUL

# Comfort that Lasts AS LONG AS THE WORKDAY

Not only are these sprayers tough enough to work all day, every day, they're built to provide a working environment that will sustain the operator from sunup to sundown with an ergonomically designed interior that's roomy, comfortable and quiet.

## PANORAMIC VIEWS

- The cab is enclosed in 55 square feet (5.1 sq. m) of glass with 360-degree visibility and a clear view of the crop, tires and boom.
- Exhaust and intake pipes are aligned with cab pillars.
- Front, low-corner windows and narrow-profile hood increase crop visibility from cab.



## NIGHT LIGHTING

- Up to 10 halogen work lights with two maintenance-free batteries and a 160-amp or optional 200-amp alternator are available.
- Optional HID lighting provides even more night time lighting capability.



## EASY ENTRY

- Each machine has a ladder and flat deck entrance with a skid-proof surface and guardrails.
- The ladder automatically retracts when the parking brake is released and extends when the brake is applied.





*Good views of gauges from steering wheel*



*Easily accessible A/C, radio and other controls*



*Throttle and hydrostatic control*

*Roomy cabs feature conveniently located controls*

## COMFORTABLE CAB DESIGN

- Cabs have air-suspension system with optional automatic temperature control for maximum comfort.
- A three-point cab mounting with rubber isolators minimizes noise and vibration.
- Choose from the standard air-suspended seat with fore/aft isolators and reclining lumbar adjustment or the REVOLUTIONARY semi-active seat suspension. This optional state-of-the-art suspension integrates air with fluid to produce the best, smoothest ride in the industry.

- Cab has heating and air conditioning; three filters filter out dust and chemicals, including a separate pressurization fan for a charcoal-type filter.
- Other features include three-way dome lighting, auxiliary radio mount, in-cab storage, triple auxiliary power outlets for cell phones and electronics, and easy-to-read spray system gauges.

## CONTROL AT YOUR FINGERTIPS

- All system functions, including the throttle and hydrostatic control, are in the right-hand console adjacent to the operator's seat.
- The hydrostatic control console puts the most frequently used controls at your fingertips, including the master apply switch, gear selection, boom wing up/down, foam marker and individual boom control.

COMFORT

# Accurate **EFFICIENT** Dependable



*Stainless steel tank with top-mounted rinse tank*

## STAINLESS STEEL TANKS STANDARD

These models come standard with an 800-gallon (3028 L) or 1,000-plus-gallon (3785 L) stainless steel tank that's durable and easy to clean. A 1.5-inch (38.1 mm) sparge bar runs the entire length of the tank to keep chemicals properly mixed. A 110-gallon (416 L), top-mounted rinse tank with a full-length rinse bar flushes the main chemical tank in minutes.



## THE SPRAYER

- The RoGator's product delivery system comes standard with a Hypro 9306 pump and PWM valve.
- System delivers rates as low as 10 gpm (37.85 L) to as high as 136 gpm (514.8 L) at 67 psi (46 bar) through standard plumbing.
- Optional high-volume plumbing increases rates to a low of 20 gpm (75.7 L) and a high of 192 gpm (726.8 L).
- A manual override allows the operator to continue spraying in case of an electrical problem or controller malfunction.

## BOOM WIDTHS

	<b>BOOM WIDTHS</b>
<b>RoGator 874, 1074 and 1074C</b>	60/80 ft. (18/24 m) with 13-ft. (3.9 m) tip and full breakaway
	90 ft. (27 m) with 15-ft. (4.6 m) tip and full breakaway
	100 ft. (30.5 m) with 20-ft. (6.1 m) tip and full breakaway
	120 ft. (36.6 m) with 14-ft. (4.3 m) tip and 27-ft. (8.2 m) full breakaway

## BOOM BREAKAWAY FEATURE

RoGator 874 and 1074 sprayers have a full- and tip-breakaway feature that protects against damage to the booms from fence posts, gates and undetected obstacles.



*Boom breakaway feature*

## BEST BOOMS IN THE BUSINESS

- Each of the five boom sections can be individually turned on or off when spraying.
- A 1-inch (25.4 mm), electric ball-valve section control seals tight when the booms are deactivated.
- The GPM Plus option uses air bladder-style shutoffs to each nozzle.
- Center-pivot, self-leveling mounting maintains booms at the proper height, even in changing terrain.
- Three nozzle spacings, both on-center and off-center.
- Booms fold to fit field dimensions.
- Optional end-row nozzles provide coverage near fences.



# Take Crop Care TO A HIGHER LEVEL



Wide track stance



Narrow, tucked-in stance

## TRACK WIDTH

- Track width adjusts from 120 inches (3048 mm) to 152 inches (3861 mm) to match any crop row or bed width.
- 48-inch (121.9 cm) ground clearance minimizes crop damage.
- 31- to 83-inch (78.74–210.82 cm) boom height adjustment for varying terrains.



## BIG-CAPACITY FUEL TANKS

RoGators have two large-capacity, 65-gallon (492 L) fuel tanks that can be filled from either side of the sprayer.



New Leader dry boxes

## NEW LEADER DRY BOXES

- The RoGator 1074C model can be equipped with New Leader dry boxes for spreading lime or dry fertilizer.
- New Leader dry boxes are easily switched from liquid tanks, requiring only about a half-day to change systems from liquid to dry.
- Two conveyor options handle a wide range of products, including heavy materials like lime.
- Dual 24-inch (61 cm) spinners provide the power and volume needed for high-rate applications.
- A 30-inch-wide (76.2 cm) conveyor belt moves material smoothly.
- Optional stainless steel belly pan, roll tarp, foam marker and spinner speed monitor are available.

NEW LEADER DRY BOXES	3020G4	2020G4
Capacity	201 cu. ft. (5.7 cu. m)	201 cu. ft. (5.7 cu. m)
Height	55 in. (1397 mm)	54 in. (1372 mm)
Length across top	132 in. (3353 mm)	144 in. (3658 mm)
Width across top	102 in. (2591 mm)	96 in. (2438 mm)
Overall length	160 in. (4064 mm)	172 in. (4369 mm)

# Options Enhance PERFORMANCE

## AUTOGUIDE GPS STEERING SYSTEM

### Three levels of accuracy:

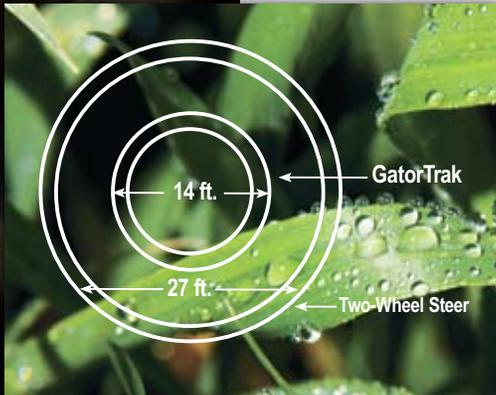
- Sub-meter: +/- 10-inch (25.4 cm) dynamic accuracy
- Decimeter: +/- 2- to 4-inch (5-10.16 cm) dynamic accuracy
- Centimeter: +/- 1-inch (2.54 cm) dynamic accuracy



It's hard to improve upon the performance of RoGator sprayers. These options offer additional technology or performance upgrades for more versatility.

## GATORTRAK 4-WHEEL STEER

- Computer-controlled 4-wheel steering
- Cuts turning radius by 40% to 50% from 27 feet (8.2 m) to 14 feet (4.2 m)
- Leaves two tire tracks instead of four
- Reduces soil disturbance
- Pushbutton "crab steering" feature shifts wheelbase on uneven terrain and side slopes



## RAVEN SGS 4000

- Economical, easy to operate
- Controls up to three products via CANbus technology
- View status of application rate, vehicle speed, system pressure or fan rpm, and boom status



## RAVEN VIPER

- Touch-screen system
- Make straight-rate applications or variably apply single or multiple inputs
- Uses maps from FarmWorks, SST, SGIS and software mapping packages
  - Input trouble spots in the field
- Create application maps which can be downloaded to a PC and printed without other mapping software



## FALCON II

- Manages single or multiple subjects and records as applied information for later analysis
- Simultaneous multi-product applications
- Multi-function keyboard can be positioned in the cab



### ADDITIONAL PERFORMANCE OPTIONS

3-inch Flow Meter
High-Intensity Field Lights
VariTarget Nozzles
Pressure Washer Kits
Foam Marker
Hydraulic Track Adjust
3-inch Reload

# OPTIONS/SPECS

MODEL	874	1074/1074C
<b>ENGINE</b>	<p>Cat® 3126B 7.2L (439 cu. in.), full electronic control            250 SAE hp (186 kW) at 2500 rpm            Power bulge to 250 SAE hp (205 kW) at 2250 rpm            Peak torque of 679 lb.-ft. (920 n-m) @1500 rpm            Wastegated turbocharger with exhaust brake            Charge air-cooled            Certified Tier II EPA off-road, Stage II emissions</p>	<p>Cat® 3126B 7.2L (439 cu. in.) turbocharged, full electronic control            275 SAE hp (204 kW) at 2500 rpm            Power bulge to 299 SAE hp (223 kW) at 2200 rpm            Peak torque of 830 lb.-ft. (1125 n-m) @1500 rpm            Wastegated turbocharger with exhaust brake            Charge air-cooled            Certified Tier II EPA off-road, Stage II emissions</p>
<b>DRIVE</b>	<p>Hydrostatic tandem Sauer-Danfoss 90-Series pumps            6.1-cu. in. (9.9 cu. m) per revolution per pump            Full-time 4-wheel drive</p>	<p>Hydrostatic tandem Sauer-Danfoss 90-Series pumps            6.1-cu. in. (9.9 cu. m) per revolution per pump            Full-time 4-wheel drive</p>
<b>SUSPENSION</b>	<p>Variable-rate leaf spring with gas-charged shocks and            fore/aft torque rods</p>	<p>Variable-rate leaf spring with gas-charged shocks and            fore/aft torque rods</p>
<b>SPEED</b>	<p>Maximum with standard 380/90R46 tires            High: 32 mph (52 kph) Low 2: 15 mph (24 kph)            Medium: 19 mph (30 kph) Low 1: 12 mph (19 kph)</p>	<p>Maximum with standard 380/90R46 tires            High: 32 mph (52 kph) Low 2: 15 mph (24 kph)            Medium: 19 mph (30 kph) Low 1: 12 mph (19 kph)</p>
<b>FRAME</b>	<p>Modified carbon steel, 3 in. x 9 in. (7.62 cm x 22.68 cm), "C" section            Bolted design, flex-frame            Heavy duty open-section cross members</p>	<p>Modified carbon steel, 3 in. x 9 in. (7.62 cm x 22.68 cm), "C" section            Bolted design, flex-frame            Heavy duty open-section cross members</p>
<b>CAB</b>	<p>Three-point rubber isolation mounted            Centered seat and steering column            Air-ride cab with comfort control            Sound suppression insulation throughout            Air filtration and charcoal internal filtration            Large, panoramic windshield, safety glass door and            emergency exit right window</p>	<p>Three-point rubber isolation mounted            Centered seat and steering column            Air-ride cab with comfort control            Sound suppression insulation throughout            Air filtration and charcoal internal filtration            Large, panoramic windshield, safety glass door and            emergency exit right window</p>
<b>CHASSIS DIMENSIONS</b>	<p>Wheel base: 176 in. (4.47 m)            Track width: 120–152 in. (3.0–3.91 m)            Overall chassis length: 269.29 in. (6.84 m)            Height to top of cab: 144.25 in. (3.664 m)            Crop clearance: 48 in. (1.22 m)</p>	<p>Wheel base: 176 in. (4.47 m)            Track width: 120–152 in. (3.0–3.91 m)            Overall chassis length: 269.29 in. (6.84 m)            Height to top of cab: 144.25 in. (3.664 m)            Crop clearance: 48 in. (1.22 m)</p>
<b>CHASSIS WEIGHT</b>	<p>22,800 lbs. (10,342 kg)</p>	<p>23,950 lbs. (10,864 kg)</p>

# Customer Commitment

# THE RIGHT CHEMISTRY

## Dedicated to Your Needs

When you do business with an Ag-Chem area sales manager, you have a direct voice with the company. Ag-Chem's dedicated sales force is unique in the industry, in that all sales managers are employees of the company, dealing directly with our customers. The benefits to you include a more knowledgeable sales staff and a company that's more responsive to your needs.

And in Jackson, Minn., our team — from manufacturing to distribution — forms the right chemistry to provide you with the best application equipment in the industry.

With Ag-Chem, application is all we know, all we do and all we are.

## Competitive Financing

We understand that an Ag-Chem machine represents a serious investment. Working through AGCO Finance, we

offer flexible payment schedules, flexible terms, competitive rates and comprehensive financing. All are available through one source — your Ag-Chem area sales manager.

## Parts and Service for Your Machine

Ag-Chem has parts and service mapped out — literally. Throughout North America, our dedicated parts & service dealer network is ready and available with strategically located facilities to expedite your parts order as efficiently as possible. Add to that several trained service technicians and utility vehicles that are on-call to handle maintenance and repairs. Not to mention the best warranty in the business.

Faster service. Better parts availability. More efficiency. The right chemistry for the best support.



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