

SALFORD

AIRBOOM APPLICATORS

AB200DS

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INTRODUCING THE AB200DS

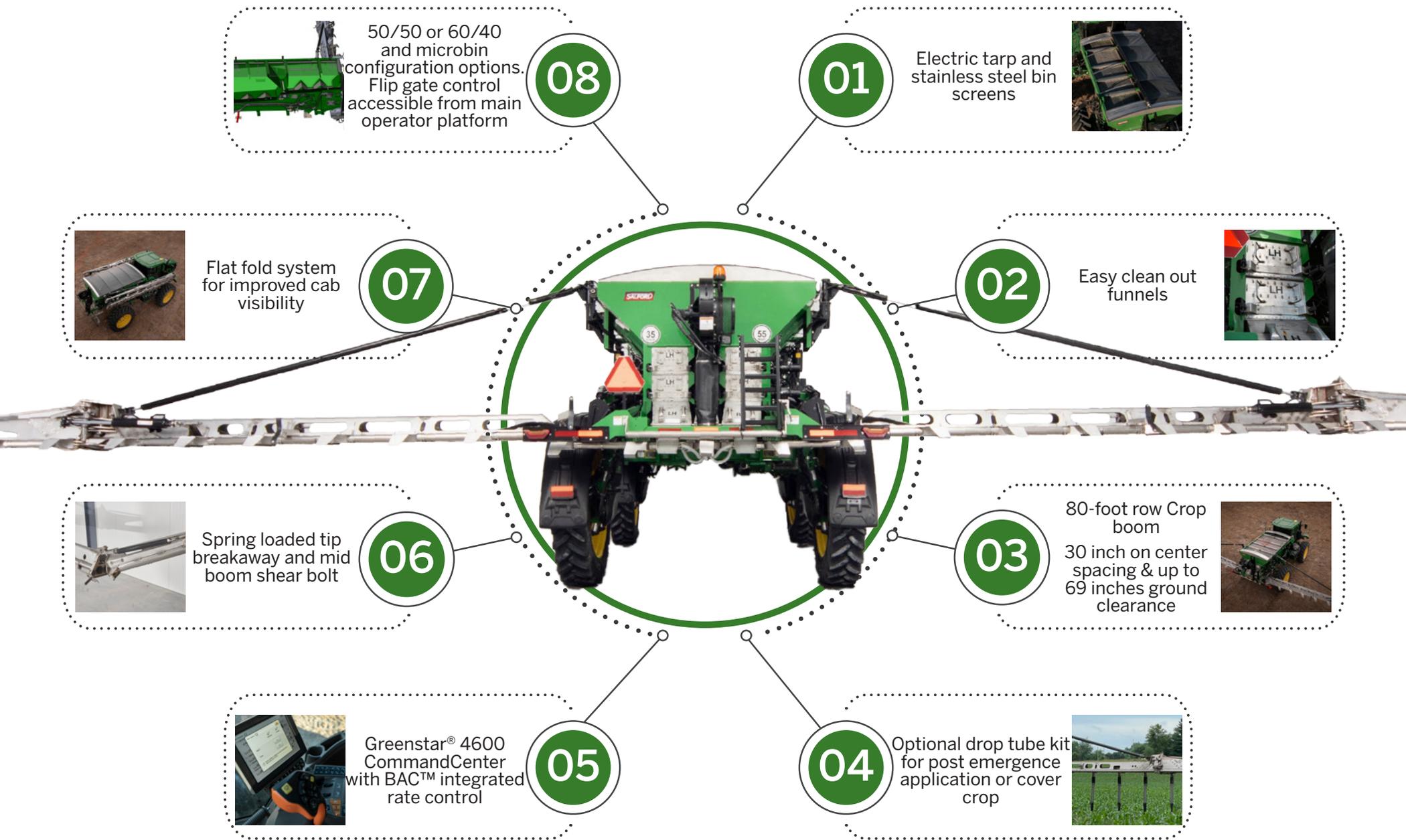
The AB200DS is engineered for the latest generation of John Deere® high clearance chassis. The applicator takes advantage of John Deere chassis hydraulic capacity and fully integrates with the Greenstar® 4600 Command center with BAC™ rate control.

*Compatibility with specific John Deere models available on page 8

With an 80-foot application width the AB200DS pneumatic applicator can comfortably cover over 70 acres per hour at 10 miles per hour. That's 14% more than the leading competitor and the applicator is capable of accurately delivering product at twice that speed.

The patented row crop boom can be equipped with application drop tubes on 30-inch centers. This allows the AB200DS to deliver nutrients below the canopy mid-season, providing nutrients to the crops when they're needed most and preventing the stress of leaf burn on the growing crop.

The AB200DS is available with a two-compartment hopper, for multi-product, variable rate application; or a single compartment hopper and micro hopper for applying micro nutrients or cover crop seed with the main product being applied.



AB200DS FEATURES



80-foot Row Crop Boom with 30 inch on Center Spacing

The AB200DS has an 80-foot working width is engineered for stability at high operating speeds. The 80-foot spans over 14% more than the next largest pneumatic applicator available on the market. The 80-foot working width can be paired with many controlled traffic patterns to minimize soil compaction.



Hydraulic Boom Suspension

The hydraulic boom suspension allows for greater infield stability at higher operating speeds. The boom height is manually controlled by the operator to improve contouring in uneven terrain.



Drop Tube Kit for Post Emergence Application & Cover Crop

The 80 foot row crop boom can be equipped with optional drop tubes to apply granular fertilizer into standing crops. Side dressing the fertilizer below the crop's canopy prevents leaf burn in standing crops and delivers mid-season nutrients to improve crop yields.



Booms Clear up to 69 inches

The new AB200DS has a higher clearance boom for post-emergence application later in the growing season. This allows for application closer to the silking stage for corn plants, when the crop needs N and P for kernel development. 69-inch ground clearance is based on using 380/105R50 tires. Actual clearance may vary.



Factory Calibrated Air Booms

Air booms and funnels are factory calibrated. This makes for incredibly accurate application in the widest range of conditions.



GreenStar 4600 CommandCenter™ with BAC™ Rate Control

Prescription variable rate control is handled through the GreenStar 4600 CommandCenter™. The integrated BAC software, provides operators a simple and intuitive interface. Left and right sections can be operated manually with the multi-function handle or automatically using sectional control. Fan on and off is activated through the CommandARM™ and uses PWM control through the BAC™ controller.



Electric Tarp

The AB200DS hopper can be equipped with an electrically controlled tarp. The tarp can be opened and closed from the cab using controls in the GreenStar 4600 CommandCenter™ or can be operated using the wireless remote included with the system.



Closed Center Hydraulic System

The closed center hydraulic system maximizes efficiency by only using the power needed for application. The AB200DS connects to the chassis's on board hydraulic system through four hydraulic hoses (pressure, return, load sense and case drain). This makes it easy for a quick swap over when combined with a wet system.



Boom Fold Multi-Function Handle & CommandARM™ Integration

Intuitive boom fold controls are integrated into the John Deere cab control system. The fold commands match the wet system to simplify the use and reduce operator training time. The integrated controls allow the operator to independently fold right or left booms or fold both booms all through the multi-function handle.



Easy Access Grease Banks

The AB200DS has three easily accessible grease banks to allow for simple and fast preventative maintenance. One bank is located behind the operations station on the front left corner and two at the rear of the machine for LH and RH.



HOPPER & METERING TWO PRODUCT APPLICATION

Model year 2023 AB200DS applicators are available with two unique hopper configurations. Either configuration allows for a single product or two product application. Both hopper configurations can also be useful for applying treated products.

OPTION ONE - AB200DS2

Allows the user to fill the entire hopper with one product, or they can fill the bin with two products, in either a 50/50 or 60/40 split. Each bin partition has independent metering, allowing for variable rate application of each product in the hopper.

This hopper configuration is ideal for medium to high-rate application.

OPTION TWO- AB200DSM

185 cubic foot primary hopper with a 30 cubic foot micro-bin. The micro-bin uses secondary metering rollers that can be easily changed to achieve lower rates, or more accurately meter finer product. This system is ideal for micro-nutrients, granular crop protection products, or cover crops. Materials that are applied in lower rates and/or have very fine granules that require a more selective meter.

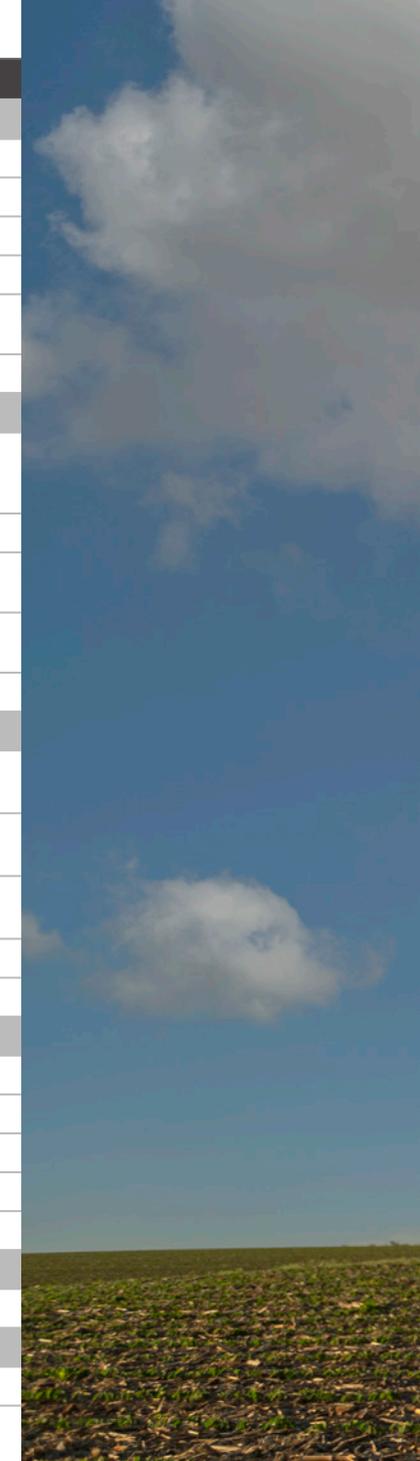
Like the split hopper, this bin configuration allows the user to fill the entire hopper with one product and apply. The internal gate in the micro-hopper can be opened, allowing product from the micro-bin to be diverted away from the meter roll and into the primary hopper.





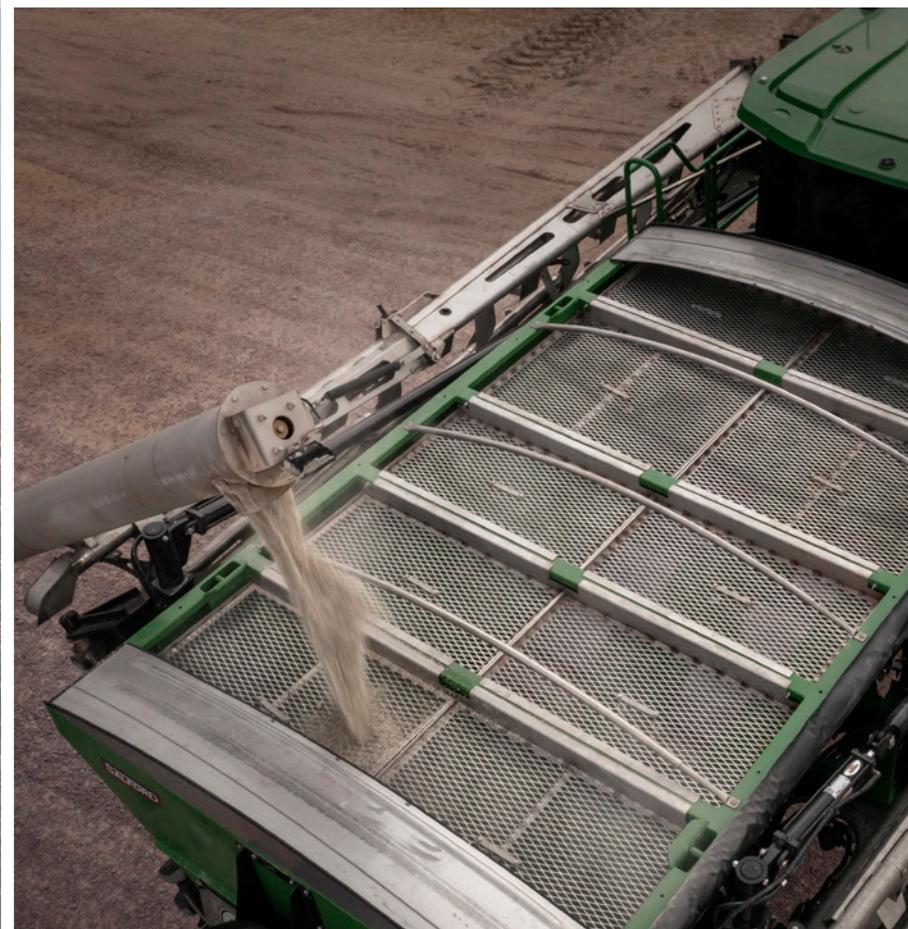
SALFORD AB200

AB200DS Specifications		
Hopper	AB200DS2	AB200DSM (Micro-bin)
Material	409 Stainless Steel, Painted	409 Stainless Steel, Painted
Total Capacity (struck)	200 cu-ft	215 cu-ft
Main Hopper Capacity	100 cu-ft or 120 cu-ft	185 cu-ft
Secondary Bin Capacity	100 cu-ft or 80 cu-ft	30 cu-ft
Lighting	LED Red/Amber Transport; LED Work Lights Beacon light ready (light not included) *600R only	
Tarp	Electric	
Metering		
Main Hopper	LH & RH 14 inch conveyors (upper & lower chain section each side); 304 stainless steel mesh chain	LH & RH 14 inch conveyors (1 chain sections each side); 304 stainless steel mesh chain
Micro-bin	N/A	LH & RH 14 inch roller meters (2 sections)
Micro-bin Roller Meter Options	N/A	Standard rate pegged roller or Low rate pegged roller
Rate Control	GreenStar™ 4600 BAC™ integrated rate control	
Section Control	2 Section (Manual & Automatic)	
Application Rates*		
Main Meter, single product delivery	750 / 50 lbs/acre (Max/Min)*,**	750 / 50 lbs/acre (Max/Min)*,**
Main Meter, dual product delivery	625 / 50 lbs/acre (Max/Min)*	590 / 50 lbs/acre (Max/Min)*
Micro-Bin Low Rate Pegged Roller	N/A	250 / 60 lbs/acre (Max/Min)*
Micro-bin 28 Groove Red Meter	N/A	80 / 20 lbs/acre (Max/Min)*
Estimated rates at 10 mph ground speed using product bulk density of 65 lbs/cu-ft. Actual rates may vary.		
Booms		
Booms	80 foot	
Outlet Spacing	30 inch	
Post Emergence Application	Yes (30 in. row spacing)	
Material	304 Stainless Steel	
Boom Suspension	Hydraulic	
Boom Control	Multi-function handle integration	
Hydraulics		
Chassis Connection	Connections to chassis manifold provided: feed, return, load sense, case drain	
General		
Chassis Compatibility	John Deere® 600R, R4060, R4045* (*2020 and newer)	
	Mounting includes isolator mounts and hardware to match John Deere® sprayer chassis	











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