
How To Adjust & Operate The Frontier LS1145 Mounted Sprayer



The Frontier LS1145 Sprayer is the largest model in the **LS11 Series of Mounted Sprayers** ([US CA](#)). It has a 45-foot (13.72 m) maximum spraying width using 2 folding wing sections that are deployed using your tractor's hydraulic system.

With this sprayer, we'll be using a **John Deere 6145M Utility Tractor** ([US CA](#)). It has 145 horsepower (108 kW) and has a PowrQuad PLUS 24F/24R transmission with Left Hand Power Reverser.

We've also added a Front Weight Support that weighs 132 lbs. (60 kg), and 8, 93-lb. (42.2 kg) suitcase weights to make sure our tractor and sprayer are properly ballasted.

These mounted sprayers attach to your utility tractor just like any other 3-point implement. And we've added a **John Deere Quick Coupler** ([US CA](#)) that will make hooking up this sprayer as easy as it can be. Caitlin will just focus on the top hook and everything else falls into place.

Finally, she'll hook up the hydraulic hoses that will power the hydraulic sprayer pump and the folding sections.

This LS1145 Sprayer is outfitted with a tear-drop shaped 300-gallon (1363.8 l) tank. A 250-gallon (946.35 l) tank is also available. The tear-drop shape allows the tank to drain completely for faster switching between chemicals and preparing the sprayer for storage.

After adding the chemical, Caitlin will use a common water hose to fill the tank with water. A handy hose-holding bracket is available that easily attaches to the tank fill opening. It should take about 45 minutes or so to fill the 300-gallon tank.

Once in the field, she'll unfold the boom wings using the tractor's hydraulic system. This system makes the LS1145 Sprayer ideal for operators who have multiple, smaller acre fields because the booms can be folded for transport and unfolded for operation without having to leave the cab.

Each boom arm is designed with a breakaway clutch located between the center wing and the main wing sections. It protects the boom from mechanical damage if it encounters an obstacle.

The LS1145 Sprayer nozzles are spaced every 20 inches (50.8 cm) across it's 45-foot (13.7

m) boom width. We've opted to use triple body nozzles, which allow the operator to manage drift and improve precision without having to change out the tips.

And fence line nozzles allow you to spray straight out horizontally from either boom for fence line spraying.

An optional foam marker at the end of each boom arm is available that marks the path where chemical has been applied.

But we've equipped our tractor with the **John Deere AutoTRAC Universal** ([US CA](#)) guidance system to minimize skip and overlap when spraying.

Using the **John Deere GreenStar™ 3 with a 2630 Touchscreen Display** ([US CA](#)), the operator can program a GPS-guided spraying pattern that will automatically guide the tractor in straight, parallel lines.

The distance between the lines can be determined by the working width of the implement being used, which in this case is 45 feet (13.7 m).

At the end of each pass, the operator retakes control to make each headland turn. The AutoTRAC resumes guidance control with the push of a button.

The AutoTRAC Universal is portable from tractor to tractor, making it a highly versatile guidance system, season after season.

The sprayer boom sections are controlled from inside the cab. Spray rate is also controlled from inside the cab with a simple on/off switch controller. If you increase or decrease speed, the spray rate controller automatically maintains the proper volume of product being applied.

And for hand spraying weeds or other vegetation, the LS1145 includes a hand-held spray wand with a coiled 30-foot (9 m) hose.

Whether yours is a row crop, hay, or livestock operation, this sprayer might be a real smart choice for you. It's ideal for use in large pastures that have few obstacles and gradual changes in the terrain. It's easy to adjust, easy to operate, and it's affordable.

This Frontier LS1145 Mounted Sprayer, along with nearly 600 other implements, is available only from your John Deere dealer, [the place to go](#) for advice and equipment.

So remember, for implements that help turn your tractor into the workhorse it was built to be, think Frontier and your John Deere dealer.

And remember, always read the Operator's Manual before operating any piece of equipment and follow all operating and safety instructions.

Helpful Links:

Frontier LS11 Mounted Sprayer Series ([US CA](#))

John Deere Tractors ([US CA](#))

[How To Control Weeds](#)

[How To Adjust & Operate The LS11 Series Mounted Sprayers](#)

[How To Renovate A Pasture](#)

Connect With Your Dealer ([US CA](#))