

# Sprayer Equipment



Sprayer Equipment



## Sprayers

SUPERSPRAYER LT SERIES / XLT SERIES



## Spray Fill Xpress







## Field Tested TOUGH!™

It's more than a slogan. Field Tested Tough™ is the entire philosophy behind Summers Manufacturing. Every product from our line of tillage equipment, sprayers, land rollers, rock pickers and mounted attachments has been engineered for maximum performance...and then pushed to the limit in the field. Only after our equipment has passed the toughest tests and proven its longevity does it deserve to have the **SUMMERS** name on it.

## Spraying Equipment With Precision and Speed.

When you're in the market for spraying equipment, nothing compares to Summers.

Our new Spray Fill Xpress comes in two models to fit your needs. Both offer significantly decreased sprayer fill times, thanks to a unique batching process that creates a safe and practical way of quickly introducing chemicals to the water flow.

And our pull-type sprayers are second to none. LT Supersprayers are available with 60-, 80-, 90-, 100- and 110-foot boom lengths, while XLT Supersprayers come in 120- or 133-foot boom lengths. Various cart and tire configurations, as well as 1,000-, 1,500- and 1,650-gallon tank options, are available to cater to any farming operation.

All Summers sprayer and application equipment comes loaded with features that increase accuracy and efficiency without sacrificing productivity.

### LT Supersprayer

60', 80', 90', 100', 110' BOOMS

### XLT Supersprayer

120', 133' BOOMS

### Spray Fill Xpress

160, 240 GAL



#### WHEEL SPACING FOR LT/XLT SUPERSPRAYERS

	STANDARD CART			NARROW CART	
	Beet Axle	Standard Axle	Wide Axle	Standard Axle	Wide Axle
<b>480/80R38*</b> (28" Ground Clearance)	88-132" Telescoping	80-120" Telescoping	109-152" Telescoping	72-89" Telescoping	76-113" Telescoping
<b>380/90R46</b> (29" Ground Clearance)	88-132" Telescoping	76-120" Telescoping	109-152" Telescoping	60-89" Telescoping	76-113" Telescoping
<b>22" Duals</b>	88" & 132"	88" & 132"	88" & 132"	NA	88" & 132"
<b>30" Duals</b>	NA	NA	NA	60" & 120"	60" & 120"

\*Denotes standard tire size.



# LT Supersprayer

Available in **60- to 110-foot boom lengths**, LT Supersprayers have five spraying sections, which are controlled by a sophisticated, yet easy-to-use Raven® electronic control system. Plus, they include a wide variety of standard features for high performance.

## BOOMS

The stainless steel corrosion-resistant boom design uses special drains to eliminate trapped air for quicker on/off times, as well as an electric ball valve for each of the five sections. Boom and main line strainers are also standard.

## TANK SIZES

1,000 GAL	1,500 GAL	1,650 GAL
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## STANDARD TANK FEATURES

Fully Drainable Sump, Electric Dual Jet Agitator, 3-Inch Bottom Fill, Inline Strainer, Agitator Flow Control



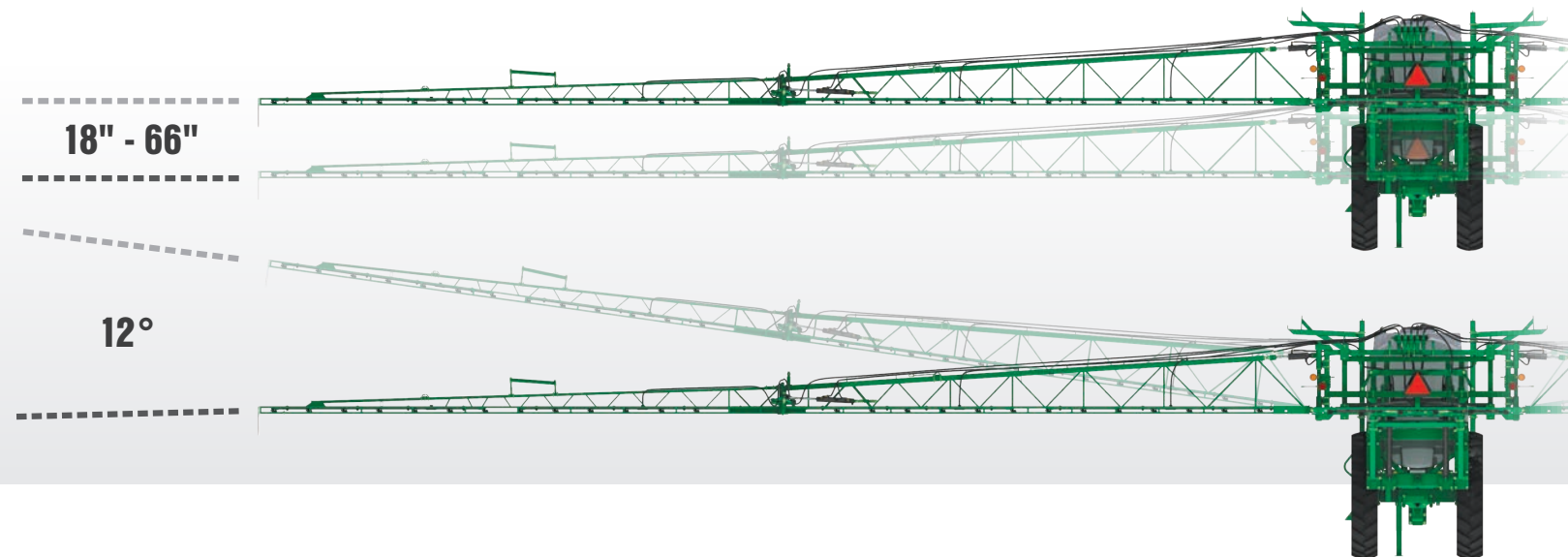
## Electronic Control System

A Raven® 450 system offers independent control of the five boom sections. It automatically adjusts application rates according to the cart speed, which can be detected with the standard GPS sensor or by connecting the unit to the tractor's performance monitor or GPS receiver. The controller also displays the actual gallons per acre applied, gallons per minute, total volume applied, remaining tank volume, time, total area worked, vehicle speed and distance traveled.



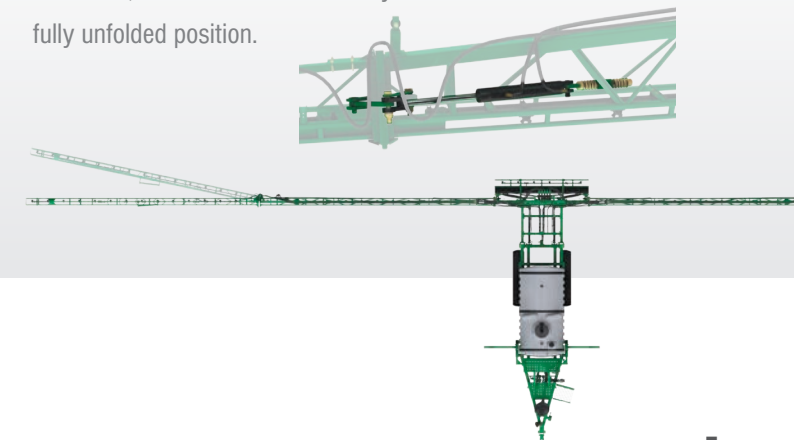
## Hydraulic Boom Adjustment

Conveniently manage all boom functions from the tractor cab with one controller. The electrohydraulic system lets you easily change the boom height from 18 to 66 inches on the go. You can independently raise and lower the right and left tips by 12 degrees, and you can also fold and unfold the sections between transport and field positions.



## Patented Breakaway System

When an outer boom hits an obstruction, the patented breakaway feature activates, and the boom gives way. After the obstruction is cleared, an accumulator smoothly returns the boom to its fully unfolded position.







FEATURES & BENEFITS



### Express Boom

Trapped air in the boom can cause longer shutoff times, delays when turning on and excessive downtime. The LT Supersprayer express boom system rids trapped air for increased efficiency. Modular and constructed of stainless steel, it also is easily flushed and cleaned.



### Nozzles

LT Supersprayer booms come standard with five-head pinwheel nozzles spaced 20 inches apart. They are available with 80- or 110-degree combo tips with stainless steel inserts.



### Boom Linkage

Rugged, parallel linkage helps maintain rigidity in the boom lift system. The unique design also keeps the nozzles pointed at the proper angle to the ground throughout all boom heights.



### Shock Absorption

The parallel linkage system is equipped with nitrogen-charged accumulators to help absorb shock. The accumulators provide an extremely smooth ride that's unmatched by any other pull-type sprayer.



### Clean Water Tank

A conveniently mounted tank provides easy access to fresh, clean water.



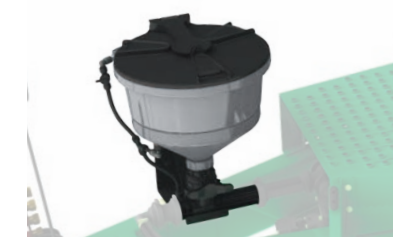
### Auxiliary Rinse Tank

Every Summers sprayer comes with a 71-gallon side-mounted rinse tank, but this option allows you to add a second.



### Clean Load System

The 5.5-gallon chemical inductor system provides ground level, foam reduced filling of liquid and dry chemicals, as well as flowable powders, inducting them directly into the top of the sprayer.



### Strainer Basket

Prevent foreign objects from entering the spray tank with a strainer basket.



### Remote Control

For easy calibration and maintenance, upgrade to the Raven® 4400 system with a remote control to start and stop the sprayer while standing anywhere within 100 feet of the control box. This means you can turn the nozzles on and off while walking around the booms.



### Electronic Gauge Package

This add-on gives you in-cab pressure readings through the electronic control system.



### Control Grip

A joystick provides fingertip controls, so you can alternate circuits without changing hand positions.



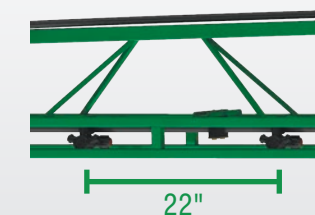
### Windscreens

Flexible windscreens offer the best protection from spray drift. Add them to any LT Supersprayer boom for accurate application in windy conditions.



### 22-Inch Nozzle Spacing

You can opt for 22-inch spacing, rather than the standard 20-inch spacing.



### Foam Marker

Add a foam marker kit, which utilizes the rinse tank water supply to mark your lines.



### Paint Color

With any custom Summers equipment order, choose between green or red, whichever best fits your farming operation.



OPTIONS



# XLT Supersprayer

XLT Supersprayers offer the ultimate spraying performance with **120- and 133-foot boom lengths**. Thanks to their patented design, the XLT booms provide the perfect combination of strength and precision for any larger acreage operation.



## Electronic Control System

A Raven® 4400 system offers independent control of the seven boom sections. It automatically adjusts application rates according to the cart speed, which can be detected with the standard GPS sensor or by connecting the unit to the tractor's performance monitor or GPS receiver. The controller also displays the actual gallons per acre applied, gallons per minute, total volume applied, remaining tank volume, time, total area worked, vehicle speed and distance traveled.



## BOOMS

The stainless steel corrosion-resistant boom design uses special drains to eliminate trapped air for quicker on/off times, as well as an electric ball valve for each of the five sections. Boom and main line strainers are also standard.

## TANK SIZES

1,000 GAL	1,500 GAL	1,650 GAL
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## STANDARD TANK FEATURES

Fully Drainable Sump, Electric Dual Jet Agitator, 3-Inch Bottom Fill, Inline Strainer, Agitator Flow Control

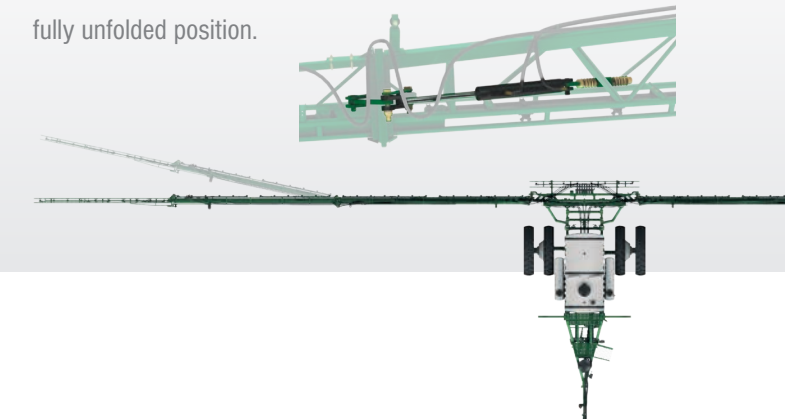
## Automatic Height Control

Using five sensors, the NORAC® Boom Height Control system automatically raises or lowers the booms to maintain a constant height over changing ground contours.



## Patented Breakaway System

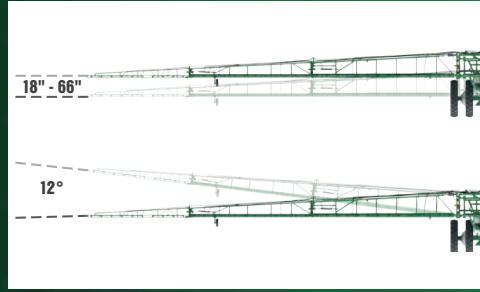
When an outer boom hits an obstruction, the patented breakaway feature activates, and the boom gives way. After the obstruction is cleared, an accumulator smoothly returns the boom to its fully unfolded position.







FEATURES & BENEFITS



### Hydraulic Boom Adjustment

With one controller, the electrohydraulic system lets you easily change the boom height from 18 to 66 inches on the go. You can independently raise and lower the right and left tips by 12 degrees, and you can also fold and unfold the sections between transport and field positions.



### Boom Linkage

Rugged, parallel linkage helps maintain rigidity in the boom lift system. The unique design also keeps the nozzles pointed at the proper angle to the ground throughout all boom heights.



### Shock Absorption

The parallel linkage system is equipped with nitrogen-charged accumulators to help absorb shock. The accumulators provide an extremely smooth ride that's unmatched by any other pull-type sprayer.



### Express Boom and Nozzles

The XLT Supersprayer express boom system rids trapped air for increased efficiency. Modular and constructed of stainless steel, it also is easily flushed and cleaned. Five-head pinwheel nozzles spaced 20 inches apart come standard and are available with 80- or 110-degree combo tips with stainless steel inserts.



### Touch-Down Wheels

All XLT Supersprayer booms come standard with touch-down wheels to help reduce the chance of the boom ends striking the ground.



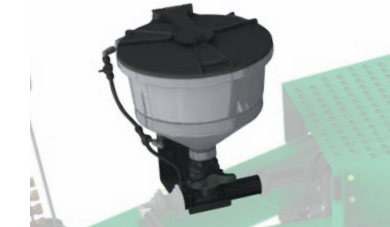
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### Strainer Basket

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### Remote Control

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### Electronic Gauge Package

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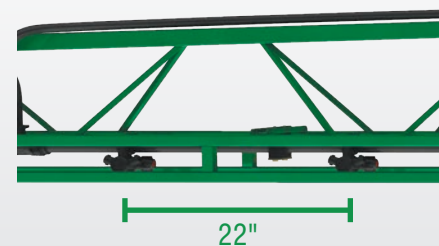
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A joystick provides fingertip controls, so you can alternate circuits without changing hand positions.



### 22-Inch Nozzle Spacing

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### Foam Marker

Add a foam marker kit, which utilizes the rinse tank water supply to mark your lines.



### Paint Color

With any custom Summers equipment order, choose between green or red, whichever best fits your farming operation.



OPTIONS



# Spray Fill Xpress

Available in two models to fit any spray filling application, the Spray Fill Xpress can **increase spraying productivity by as much as 82 percent**, thanks to its uniquely designed chemical batching process. This greatly expedites filling time, reducing a 30-minute chore to **less than 7 minutes**. That means more time spraying and less time refilling.



**MODELS CAPACITY**

SFX 1630	160 GAL
SFX 2430	240 GAL



**Chemical Batching**

To save time, chemicals in the stainless steel tank can be portioned into individual containment areas where they will remain separate until drawn into the sprayer. This avoids premixing, which can cause undesirable reactions.



## Get More Spray Out of Every Day

120-Foot Boom Width - 1,200 Gallon Tank - 12 Hour Day - Connect to Disconnect Time: 7:10 - Pump Start to Stop: 6:38

Gallons Per Acre	Ground Speed (mph)	Calculated Fill and Spray Total Time in Hours		Number of Fill and Spray Cycles Per Day		Acres Per Day		Increased Coverage Per Day (Acres)	% Increase in Productivity
		Conventional*	Spray Fill Xpress	Conventional*	Spray Fill Xpress	Conventional*	Spray Fill Xpress		
10	10	1.33	0.95	9	13	1,087	1,524	437	40%
10	12	1.19	0.81	10	15	1,213	1,783	570	47%
10	16	1.02	0.64	12	19	1,418	2,265	847	60%
15	10	1.05	0.67	11	18	914	1,433	519	57%
15	12	0.96	0.58	13	21	1,002	1,660	658	66%
15	16	0.84	0.46	14	26	1,138	2,070	932	82%

\*Based on 30-minute fill time.

### SFX 2430

The high capacity original model is 102 inches long (130 inches with pump) and can be fitted with 3, 4, 5 or 6 tanks for a total of 240 gallons.



### SFX 1630

This smaller model can hold 2, 3 or 4 tanks for a total of 160 gallons, and at just 78 inches long (106 inches with pump) it will fit crossways on a trailer or easily inside an enclosed trailer.







FEATURES & BENEFITS



### 3-Inch Plumbing with Upstream Pump Position

Extra large plumbing greatly reduces fill times. The pump is positioned to push water through the system, rather than pull it through, which keeps the pump clean of any chemicals. Furthermore, the system is fully flushable to help eliminate carryover issues.



### Rinse System Valves

These days, cleanliness with ag chemicals is more important than ever, which is why the Spray Fill Xpress has a fully featured rinse system. A main valve controls the flow of water. Then it can be directed either to the rinse wand, tank/jug rinse or manifold rinse by opening the indicated valves.



### Rinse Wand

A handy solution for cleaning the chemical tanks, or for making a slurry during dry chemical induction.



### Flow Meters and Scales

Provide precise measurements when adding chemicals. Flow meters can be added to one or all tanks, and reduce errors from reading tank markings on uneven surfaces.



### Stainless Steel Tanks

Hold up to six different chemicals (or four with the SFX 1630) to add to a mix. Each tank includes a jug rinse system for convenient chemical jug cleanout.



### Deep Sump Tank

A deep, aggressively angled bottom helps prevent splashing and is integral in moving chemicals quickly into the sprayer. This design also allows complete drainage of the tank.



### Forklift Access Holes

Quickly and easily move the Spray Fill Xpress from the ground to a tending trailer with the forklift access holes.



### Modular Design

The SFX 2430 is customizable using 3, 4, 5 or 6 tanks in 40- and 80-gallon capacities, for a total capacity of 240 gallons. The SFX 1630 can be outfitted with 2, 3 or 4 tanks, for a total capacity of 160 gallons.

### Flow Meters

Flow meters provide precise chemical measurements.



### Scale

The optional scale accurately weighs chemicals, so you can be assured the right amount goes into your sprayer. Simply weigh the chemicals going into an individual containment area, then reset the scale and weigh the next chemical.



### Pump/Engine

An optional pump and engine package can be added to the Spray Fill Xpress to push water through the system to the sprayer. It features an electric start, 13HP motor and centrifugal pump that moves water at 440 GPM.



OPTIONS





See *Field Tested TOUGH!*™ in action!



[www.summersmfg.com](http://www.summersmfg.com)



**Tillage**



**S-Tine Cultivators/Harrows**



**Sprayers & Applicators**



**Land Rollers/Coil Packers**



**Rock Pickers**



**Mounted Attachments**



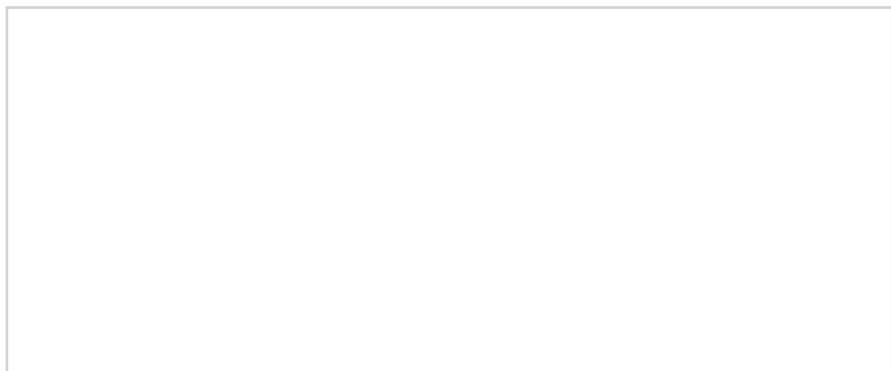
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