

# **SUMMERS<sup>®</sup>** **SUPERSPRAYERS**

## **ULTIMATE NT & ULTRA ULTIMATE NT**



Patent No. 6,293,475 & 7,669,789  
Illustrations may show optional equipment

**Hydraulic Boom Height**  
**Hydraulic Tip Lift**  
**Hydraulic Fold**



Narrow Cart Ultra Ultimate NT in transport

**Booms from 60' to 133'- 4"**



Tip Lift on Ultra Ultimate NT

# **FIELD TESTED TOUGH!**



### All Functions From One Remote

The **ULTIMATE** in Supersprayers from Summers® features an **all-hydraulic boom**. An electro/hydraulic control system allows unfolding booms for field position or folding them for transport **hydraulically** without leaving the tractor cab. Adjust boom height on the go, OR; raise either boom tip to clear obstacles.

The rugged sprayer cart, shown at left with the optional 1650 gal. tank, is constructed of 4 x 8 in. steel tubes. A 1000, 1500, or 1650 gal. tank is available on narrow and standard sprayers.



Rugged, parallel linkage helps maintain rigidity in boom lift system and maintains nozzle orientation to ground throughout all height settings.



Separate Hydraulic **tip lift cylinders** allow the ends of each boom to be lifted to clear obstructions or to compensate for slopes and uneven field conditions.



This top view of the boom suspension system depicts lift cylinders and accumulators.

**Lift cylinders** provide a range from 18-66 in. of boom height adjustment while maintaining a constant ground-to-nozzle spray angle.

**Nitrogen charged accumulators** absorb shock loads on the lift cylinders. Working in conjunction with the parallel linkage system, this arrangement provides an amazingly smooth ride, even on extremely rough terrain.



**Patented Ultra Ultimate NT** booms are available in widths of 120 ft. and 133 ft. 4 in. Nozzle spacing is fixed at 20".

**Ultimate NT** is available in boom sizes from 60 to 110 ft. with a fixed nozzle spacing of 20 or 22 in.



**Ultimate NT:** Flexible windscreens are optional on boom sizes from 60-110 ft. and provide supplemental aid in reducing spray drift. **Windscreens are not available for the Ultra Ultimate NT.**



On both the Ultra and Ultimate NTs, a **Patented multi-function fold and breakaway system** is coupled with the breakaway protection designed into the hydraulic system. The nitrogen charged accumulator assists gravity to smoothly return the boom to field position after the obstruction is cleared.




The spray system features corrosion resistant components and includes electric ball valves for left, right and center boom sections. An electric dual jet agitator, boom line strainers, 2" bottom fill, and boom drains are standard equipment. Agitator flow control and in-line strainer complete the system.

Sprayer is available with a 1000, 1500, and 1650 gal. tank in standard axle and narrow axle spacing configurations. All tanks feature a **fully drainable sump**.


A single 71 gal. side mounted rinse tank is standard with a second side mounted tank optional.

An optional **5.5 gal. (U.S.) Clean Load System** provides ground level, foam reduced filling of chemical into the sprayer tank. Standard on all spray tanks is the **Clean Water Tank** (not shown) complete with rubber gloves and goggles. Tank is conveniently mounted for safe sprayer servicing.


### SPRAY NOZZLES




Single Head



Dual Turret



Triple Turret



Triple Head Pinwheel Nozzle

Dripless, single, dual or triple head nozzles are equipped with either 80 or 110 degree XR (extended range) stainless steel tips.

Pinwheel, Swivel-Jet dual or triple turret nozzles allow quick changing of spray tips with just a twist.

Triple head pinwheel nozzles are standard on single boom units.

Single nozzles are standard on dual booms.



Telescoping axles provide extra stability in wide wheel settings. The standard cart with a standard axle has wheel adjustments of 88 - 132 in. using the standard 480/80R38 and optional 380/90R46 tires. The 380/90R46 tires permit spacing adjustments from 76 - 120 in. with the narrow axle. When utilizing a wide axle, wheel spacing can be adjusted from 109 - 152 in. with both tire sizes. The narrow cart sprayer with a standard axle allows wheel adjustments from 60 - 89 in. and will accommodate 30 in. duals spaced at 60 and 120 in. The optional wide axle for this sprayer may be adjusted from 76 - 113 in. and will accommodate 20, 22 and 30 in. duals. The 20 in. duals can be set at 80 and 120 in.; the 22 in. duals (shown) can be set at 88 and 132 in.; and the 30 in. duals can be set at 60 and 120 in.



### Remote control for all Boom Functions

Electric/hydraulic valves allow all boom functions to be activated from a single hydraulic remote control.

Extra switches are provided to accommodate optional equipment without having to install additional control boxes in the tractor cab.



**Touchdown Wheels** are standard on Ultra Ultimate NT Super-sprayers only.



**Optional Norac Boom Height Control** maintains a constant boom height. Five sensor package is standard on Ultra Ultimate NT only.

### Safety Light Kit is Standard

All Ultimates are equipped with ANSI-ASAE approved lighting and marking for safe road travel.

# ULTIMATE N7 SPECIFICATIONS

|                                    | Features  | 1000 Gal.  | 1500 Gal.  | 1650 Gal.  |
|------------------------------------|---|------------|------------|------------|
| Application Widths (a)             | Expandable in increments of 3'-4"                     | 60-110 ft. | 60-110 ft. | 60-110 ft. |
| Cart Tires & Spacings              | Standard Axle ( both tires sizes)                     | 88"-132"   | 88"-132"   | 88"-132"   |
|                                    | Optional 480/80R38" tires                             |            |            |            |
|                                    | Narrow Axle   | 80"-120"   | 80"-120"   | 80"-120"   |
|                                    | Wide Axle   | 109"-152"  | 109"-152"  | 109"-152"  |
|                                    | Optional 380/90R46" tires                             |            |            |            |
|                                    | Narrow Axle   | 76"-120"   | 76"-120"   | 76"-120"   |
|                                    | Wide Axle   | 109"-152"  | 109"-152"  | 109"-152"  |
| Clearances                         | Under cart axle with<br>380/90R46" tires              | 29"        | 29"        | 29"        |
|                                    | Under cart axle with<br>480/80R38" tires              | 28"        | 28"        | 28"        |
| Clevis Hitch                       |   | O          | O          | O          |
| Cart Frame                         | Steel Tube  | 4" x 8"    | 4" x 8"    | 4" x 8"    |
| Boom Fold                          | Hydraulic w/in-cab remote control                     | S          | S          | S          |
|                                    | Hydraulic break away                                  | S          | S          | S          |
| Tip Lift                           | Hydraulic w/in-cab remote control                     | S          | S          | S          |
| Boom Height                        | Hydraulic w/in-cab remote control                     | S          | S          | S          |
| Norac Electric<br>Boom Level. Sys. | UC4+ or UC5   | O          | O          | O          |
| Control Grip                       | See Page 8 for features                               | O          | O          | O          |
| Plumbing                           | 2" suction and 1-1/2" pressure                        | S          | S          | S          |
|                                    | 3/4" tank gauge & tank drain                          | S          | S          | S          |
| Agitation                          | Dual hi-performance nozzles with<br>Electric shut-off | S          | S          | S          |
| Pump                               | Hydraulic   | S          | S          | S          |
| Spray Control                      | Raven 450 - auto rate control                         | S          | S          | S          |
|                                    | Raven 4400 - auto rate control                        | O          | O          | O          |
|                                    | Sprayer remote control<br>w/100' range                | O          | O          | O          |
| Bottom Fill                        | 2" using hose or sprayer pump                         | S          | S          | S          |
|                                    | 3" directly into spray tank                           | O          | O          | O          |
| Clean H2O Tank                     | Includes rubber gloves and goggles                    | S          | S          | S          |
| Fillwell Strainer Basket           |   | O          | O          | O          |
| HP Chemical inducer<br>package.    | 5.5 gallon w/jug rinse                                | O          | O          | O          |
| Rinse or Auxiliary Tank            | Single side mount - 71 gal.                           | S          | S          | S          |
|                                    | Dual side mount - 142 gal.                            | O          | O          | O          |
| Booms                              | 1" ID aluminum tube wet type                          | S          | S          | S          |
| Nozzle Bodies,<br>Single Boom      | 3-Head Pinwheel                                       | S          | S          | S          |
| Nozzle Tips                        | 80° or 110° XR stainless steel                        | C          | C          | C          |
| Nozzle Spacing                     | Wet Boom - 20"  | S          | S          | S          |
|                                    | Beet Special. Boom - 22"                              | O          | O          | O          |
| Windshield                         | Flexible, floating with<br>replaceable shield         | O          | O          | O          |
| Foam Marker<br>w/Platform          | 25 gal., Hi-Capacity                                  | O          | O          | O          |

(a) Sizes: 60'-0", 63'-4", 66'-8", 70'-0", 73'-4", 76'-8", 80'-0", 83'-4", 86'-8",  
90'-0", 93'-4", 96'-8", 100'-0", 103'-4", 106'-8", 110'-0"

**S** = Standard   **C** = Choice   **O** = Optional

## ULTRA ULTIMATE NT SPECIFICATIONS

|                                      | Features   | 1000 Gal.         | 1500 Gal.         | 1650 Gal.         |
|--------------------------------------|--|-------------------|-------------------|-------------------|
| Application Widths                   |  | 120' or 133' - 4" | 120' or 133' - 4" | 120' or 133' - 4" |
| Cart Tires & Spacings                | Standard Axle (both tires sizes)<br>Optional 480/80R38" tires  | 88"-132"          | 88"-132"          | 88"-132"          |
|                                      | Narrow Axle  | 80"-120"          | 80"-120"          | 80"-120"          |
|                                      | Wide Axle  | 109"-152"         | 109"-152"         | 109"-152"         |
|                                      | Optional 380/90R46" tires                                      |                   |                   |                   |
|                                      | Narrow Axle  | 76"-120"          | 76"-120"          | 76"-120"          |
|                                      | Wide Axle  | 109"-152"         | 109"-152"         | 109"-152"         |
| Clearances                           | Under cart axle with<br>380/90R46" tires                       | 29"               | 29"               | 29"               |
|                                      | Under cart axle with<br>480/80R38" tires                       | 28"               | 28"               | 28"               |
| Clevis Hitch                         |  | O                 | O                 | O                 |
| Cart Frame                           | Steel Tube   | 4" x 8"           | 4" x 8"           | 4" x 8"           |
| Boom Fold                            | Hydraulic w/in-cab<br>remote control                           | S                 | S                 | S                 |
|                                      | Hydraulic break away   | S                 | S                 | S                 |
| Tip Lift                             | Hydraulic w/in-cab<br>remote control                           | S                 | S                 | S                 |
| Boom Height                          | Hydraulic w/in-cab<br>remote control                           | S                 | S                 | S                 |
| Norac Electric<br>Boom Level. System | UC5  | S                 | S                 | S                 |
| Control Grip                         | See Page 8 for features  | O                 | O                 | O                 |
| Plumbing                             | 2" suction and 1-1/2" pressure<br>3/4" tank gauge & tank drain | S                 | S                 | S                 |
|                                      |  | S                 | S                 | S                 |
| Agitation                            | Dual hi-performance nozzles w/<br>Electric shut-off            | S                 | S                 | S                 |
| Pump                                 | Hydraulic  | S                 | S                 | S                 |
| Spray Control                        | Raven 450 - auto rate control                                  | O                 | O                 | O                 |
|                                      | Raven 4400 - auto rate control                                 | S                 | S                 | S                 |
|                                      | Sprayer remote control<br>w/100' range                         | O                 | O                 | O                 |
| Bottom Fill                          | 2" using hose or sprayer pump                                  | S                 | S                 | S                 |
|                                      | 3" directly into spray tank                                    | O                 | O                 | O                 |
| Clean H2O Tank                       | Includes rubber gloves<br>and goggles                          | S                 | S                 | S                 |
| Fillwell Strainer Basket             |  | O                 | O                 | O                 |
| HP Chem. Inducer Pkg.                | 5.5 gallon w/jug rinse   | O                 | O                 | O                 |
| Rinse or Auxiliary Tank              | Single side mount - 71 gal.                                    | S                 | S                 | S                 |
|                                      | Dual side mount - 142 gal.                                     | O                 | O                 | O                 |
| Booms                                | 1" ID aluminum tube wet type                                   | S                 | S                 | S                 |
| Nozzle Bodies                        | 3-Head Pinwheel  | S                 | S                 | S                 |
| Nozzle Tips                          | 80° or 110° XR stainless steel                                 | C                 | C                 | C                 |
| Nozzle Spacing                       | Wet Boom - 20"   | S                 | S                 | S                 |
|                                      | Beet Special - 22"   | O                 | O                 | O                 |
| Foam Marker<br>w/Platform            | 25 gal., Hi-Capacity   | O                 | O                 | O                 |

**S** = Standard    **C** = Choice    **O** = Optional

## NARROW CART ULTIMATE AND ULTRA SPECIFICATIONS

|                          | Features                                | 1000 Gal.  | 1500 Gal.  | 1650 Gal.  |
|--------------------------|---|------------|------------|------------|
| Application Widths (a)   | Expandable in increments of 3'-4"       | 60-132 ft. | 60-132 ft. | 60-132 ft. |
| Cart Tires & Spacings    | Narrow 480/80R38" tires                 | 72"-89"    | 72"-89"    | 72"-89"    |
|                          | 380/90R46" tires                        | 60"-89"    | 60"-89"    | 60"-89"    |
|                          | Wide 480/80R38" tires                   | 76"-113"   | 76"-113"   | 76"-113"   |
|                          | 380/90R46" tires                        | 76"-113"   | 76"-113"   | 76"-113"   |
| Clearances               | Under cart axle with 380/90R46" tires   | 29"        | 29"        | 29"        |
|                          | Under cart axle with 480/80R38" tires   | 28"        | 28"        | 28"        |
| Clevis Hitch             |   | O          | O          | O          |
| Cart Frame               | Steel Tube                              | 4" x 8"    | 4" x 8"    | 4" x 8"    |
| Boom Fold                | Hydraulic w/in-cab Remote Control       | S          | S          | S          |
|                          | Hydraulic break away                    | S          | S          | S          |
| Tip Lift                 | Hydraulic w/in-cab Remote Control       | S          | S          | S          |
| Boom Height              | Hydraulic w/in-cab Remote Control       | S          | S          | S          |
| Norac Electric Boom      |   |            |            |            |
| Level. Sys.              |   | O          | O          | O          |
| Control Grip             | See Page 8 for features                 | O          | O          | O          |
| Plumbing                 | 2" suction and 1-1/2" pressure          | S          | S          | S          |
|                          | 3/4" Tank Gauge & Tank Drain            | S          | S          | S          |
| Agitation                | Dual Hi-performance Nozzles             |            |            |            |
|                          | w/elec. Shut-off                        | S          | S          | S          |
| Pump                     | Hydraulic                               | S          | S          | S          |
| Spray Control            | Raven 450 - auto rate control 60'-110'  | D          | D          | D          |
|                          | Raven 4400 - auto rate cntrl 120'-132'  | D          | D          | D          |
|                          | Sprayer Remote control w/100' range     | O          | O          | O          |
| Bottom Fill              | 2" using hose or sprayer pump           | S          | S          | S          |
|                          | 3" directly into spare tank             | O          | O          | O          |
| Clean H2O Tank           | Includes Rubber Gloves and Goggles      | S          | S          | S          |
| Fillwell Strainer Basket |   | O          | O          | O          |
| HP Chemical Inducer      | 5.5 gallon w/Jug Rinse                  | O          | O          | O          |
| Rinse or Auxiliary Tank  | Single Side Mount - 71 gal.             | S          | S          | S          |
|                          | Dual Side Mount - 142 gal.              | O          | O          | O          |
| Booms                    | 1" ID aluminum tube wet type            | S          | S          | S          |
| Nozzle Bodies            | 3-Head Pinwheel                         | S          | S          | S          |
|                          | 5-Head Pinwheel                         | O          | O          | O          |
| Nozzle Tips              | 80° or 110° XR stainless steel          | C          | C          | C          |
| Nozzle Spacing           | Wet Boom - 20"                          | S          | S          | S          |
|                          | Wet Boom - 22"                          | O          | O          | O          |
| Windshield               | Flexible, floating w/replaceable shield |            |            |            |
|                          | 60'-110'                                | O          | O          | O          |
|                          | 120'-133'-4"                            | NA         | NA         | NA         |
| Foam Marker w/Platform   | 25 gal., Hi-Capacity                    | O          | O          | O          |

(a) Sizes: 60'-0", 63'-4", 66'-8", 70'-0", 73'-4", 76'-8", 80'-0", 83'-4", 86'-8", 90'-0", 93'-4", 96'-8", 100'-0", 103'-4", 106'-8", 110'-0", 120', 133'-4"

S = Standard    C = Choice    O = Optional    D = Decide

## ELECTRONIC "IN CAB" MONITORS AND CONTROLS

The **450 Control** provides automatic control of chemical application rates. The operator has individual control of six booms or less and continuous readout of actual gallons per acre applied. Readouts of volume left in the tank, time, total area worked, total volume applied, field area and volume, vehicle speed, distance traveled, area/hours worked, volume/minute (gallons/minute) are available at the touch of a key. In cab pressure readings are possible with optional **Electronic Gauge Package**.



The Raven 4400 Control has all the same features of the 450 Control and will allow control of seven boom sections or less.



## GPS SPEED SENSOR



Standard on all sprayers as 4htz GPS speed sensor for increased accuracy and ease of use. Interface cables that connect to a tractors performance monitor or GPS receiver are also available. Raven Radar speed sensors are also available.

Optional **Control Grip** permits alternating between circuits without moving your hand from the hydraulic lever.



## SPRAYER REMOTE CONTROL

The **Summers Sprayer Remote Control** makes sprayer calibration easy and safe. When attached to most 12 VDC operated boom shut-off systems, you can turn your sprayer on and off from anywhere within 100 feet of the sprayer control box.

With the hand held control unit, you can walk around your sprayer while its operating, find a plugged tip, shut off sprayer, clean tip and resume the spray operation without having to return to the tractor each time. Installation is easily made on either new or used sprayers.



In a continuing desire to improve its products, Summers Manufacturing Company, Inc. reserves the right to change design, materials, and/or specifications without notice or obligation.



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