

JOHN DEERE 32 TRAILER SPRAYER



OPERATORS MANUAL JOHN DEERE 32 TRAILER SPRAYER

OMB25102 G3 English

OMB25102 G3

LITHO IN THE U.S.A.
ENGLISH



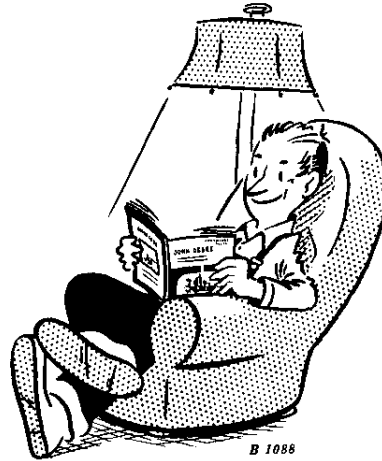
To the purchaser

Your new John Deere Sprayer is efficient and dependable. It will give long and efficient service if given proper care and operation.

This operator's manual contains information on the proper operation, adjustment, and maintenance of your new sprayer.

When in need of parts, see your John Deere dealer. He will furnish genuine John Deere Parts and prompt and efficient service in the field or in the shop.

Right-hand and left-hand reference is determined by standing at the rear of the sprayer and facing the direction of travel.



Study this manual carefully. Keep it handy, in a safe place, for future reference.

John Deere 32 Trailer Sprayer	
	Date Purchased
Booms	
6-Row	<input type="checkbox"/>
8-Row	<input type="checkbox"/>
12-Row (40-Ft.)	<input type="checkbox"/>
PTO PUMP	
8-Roller Ni-Resist	<input type="checkbox"/>
6-Roller Ni-Resist	<input type="checkbox"/>
6-Roller Grey Iron	<input type="checkbox"/>
Bronze Gear Pump	<input type="checkbox"/>
Piston Pump	<input type="checkbox"/>
WIDE-SPRAY JET	<input type="checkbox"/>
ROW-CROP DROPS	
10 Inches Long	<input type="checkbox"/>
18 Inches Long	<input type="checkbox"/>
30 Inches Long	<input type="checkbox"/>
HAND GUN	
25-Foot Hose	<input type="checkbox"/>
50-Foot Hose	<input type="checkbox"/>
High Pressure Hand Gun	<input type="checkbox"/>
Boom Extension Nozzles	<input type="checkbox"/>
<i>(To be filled in by purchaser)</i>	

Price \$

Table of contents

Specifications	2-3
Identification view	3
Operation	4-21
Hitching to tractor	4
Filling tank with the PTO pump	5
Transporting—6- or 8-Row Booms only	6
Transporting—12-Row (40-ft.) Booms only	7
Nozzle adjustment	7
Booms and controls	8
Jet Agitator	9
Rates of application	10-13
Nozzle tip chart	9
Calibration chart	11
Pressure versus rate chart	12-13
PTO pump	14
Pump surge chamber attachment	14
Pump capacity	15
Row-crop drops	16
Boom extension nozzles	16-17
Wide-spray jet and controls	18-19
Hand gun	20-21
Safety suggestions	22
Lubrication	23
Cleaning Sprayer	24
Service	25-36
Assembly	37-47

Specifications

TYPE

The 32 Sprayer is a two wheel, pull-type sprayer.

TANK

200-gallon, translucent plastic, reinforced with fiber glass.

BOOMS

Regular—8 row booms (27-foot 1/2-inch) to cover eight 40-inch rows.

Optional—12-row booms (40-foot 4-1/2-inch) to cover twelve 40-inch rows, or 6-row booms (20-foot, 4-1/2-inch) to cover six 40-inch rows.

Booms are made of square tubing with nylon nozzle fittings connected with rubber hose and mounted on adjustable nozzle clamps for varying row widths from 24-inch to 40-inch or 12-inch to 20-inch spacing between the nozzles. Booms are made in three sections with the center section stationary and the outer sections mounted on four-way spring stabilized hinges.

PTO PUMP

Regular—Ni-Resist (nickel-iron alloy) eight-roller pump.

Optional—Ni-Resist (nickel-iron alloy) six-roller pump, a grey iron six-roller pump, twin piston pump, or a gear pump.

BOOM CONTROL

The boom control is a two position selector valve. Either half of the total boom coverage may be operated independently of the other half.

WIDE-SPRAY JET

A wide-spray jet is available as optional equipment in lieu of the booms and boom control. It is used for broadcast spraying grains, pastures, etc.

NOZZLE TIPS

The nozzle bodies, nozzle caps and strainer bodies are made of nylon. The nozzle and line strainer screen are made of stainless steel. The nozzle tips are made of brass or stainless steel.

HAND GUN

A hand gun and controls may be ordered in lieu of the booms and boom controls.

A hand gun is also available to be used in conjunction with or independently of the boom type or wide-spray jet type sprayers. The hand gun is available with either a 25-foot or a 50-foot hose.

A high pressure hand gun with a 25-foot hose is also available.

The hand gun may be used for spraying crops, animals, fence rows, etc.

ROW-CROP DROPS

Row-crop drops (10-, 18-, or 30-inch long) are available for the eight-row booms. Each row-crop drop has two nozzles which can be turned up to spray the underside of the leaves, or down to spray the ground between the rows.

BOOM EXTENSION NOZZLES

These nozzles are used as boom extensions to expand the over-all width of boom coverage approximately 7 feet on each side of the regular spray pattern.

TRAILER CLEARANCE

30-3/4 inches with 7.60 x 15 tires.

Distance from nozzle tip to ground when boom is in working position:

Minimum—12 inches

Maximum—36 inches

NO. 2 LAY-BY BOOM

Designed for use during the late growing season for controlling weeds with liquid herbicide.

Covering four rows at a time, this boom consists of five runners carrying one nozzle each. The nozzles are mounted so the spray pattern covers the entire area between the rows.

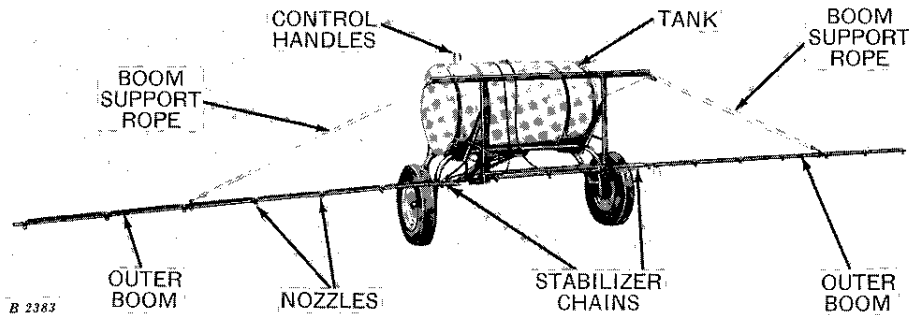
The lay-by boom may be attached to the John Deere 32 Trailer Sprayer equipped with the regular boom controls. The tractor pulling the sprayer must be equipped with a remote hydraulic cylinder that conforms to ASAE-SAE standards.

NO. 4 POST EMERGENCE OILING BOOM

Designed to apply post emergence herbicide oils to cotton or similar crops for weed control.

Covering four rows at a time, this attachment can be mounted on John Deere 2010, 3010, 4010, 530, 630, 730, 520, 620, and 720 Tractors equipped with a front rockshaft. With these tractors the attachment is used in conjunction with the John Deere 32 Sprayer equipped with a boom control.

(Specifications and design subject to change without notice.)



John Deere 32 Sprayer with eight-row booms

Operation

Hitching to tractor

Adjust the tractor drawbar height to approximately 15 inches and set the drawbar in the short position.

Attach the drawbar clevis to the tractor drawbar.

Install the pump on the tractor PTO shaft.

Arrows on the pump ports indicate proper rotation.

Place the key between the splines on the PTO shaft and tighten the set screws against the key to secure pump on shaft.

Attach the stay chain to some fixed point on the tractor and adjust the length so it will hold pump in a horizontal position.



NOTE: The pumps can be run at either 540 or 1000 RPM but the slower RPM is recommended for longer pump life.

WARNING

To avoid backward tip-over:

- (1) Hitch trailer drawbar to tractor before filling tank.
- (2) When unhitching trailer drawbar from tractor with liquid in tank or the 40 ft. booms in transport position, hold and handle the drawbar as firmly and as close to ground as possible.

CAUTION: The hoses furnished with the high pressure attachments are rated at 400 psi.

All other hoses furnished on this sprayer are rated at 150 psi. Pressure in excess of 150 psi may be used for only a short period of time. Do not exceed 150 psi for normal operation.

Filling tank with the PTO pump

The PTO pump can be used to fill the tank.

Turn the shut-off valve to the "OFF" position.

Disconnect the suction hose from the PTO pump.

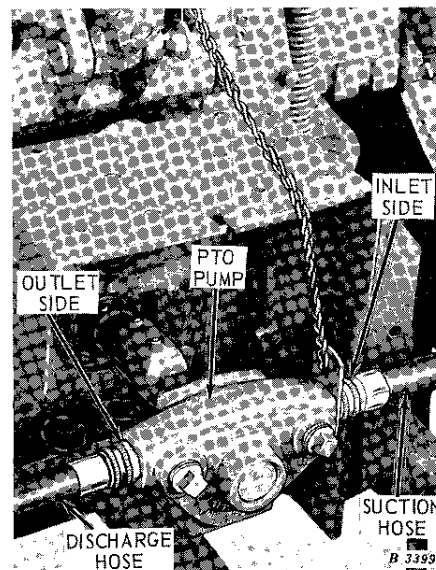
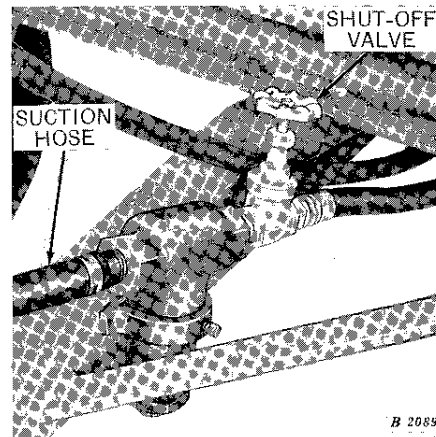
Obtain one length of 3/4-inch hose not over 50 feet long, with a female hose connection on one end and a strainer (AB11097B) on the other end. Connect the female hose connection to the PTO pump where the suction hose was removed. Place the end of the hose with the strainer into the water reservoir or supply.

Disconnect the discharge hose from the PTO pump.

Obtain a 3/4-inch hose of sufficient length to reach from the PTO pump to the tank. The 3/4-inch hose must have a female hose connection on one end. Connect the female hose connection to the PTO pump where the discharge hose was removed. Place the other end of the hose in the tank. Start the PTO pump.

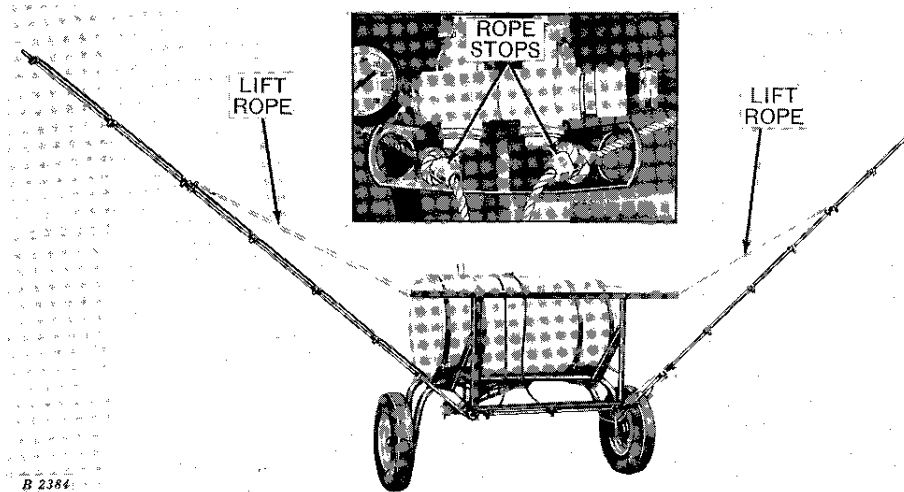
NOTE: The hoses used for filling the tank do not have to be chemical resistant.

CAUTION: The resins in the plastic tank will deteriorate by prolonged exposure to strong alkaline materials such as aqua-ammonia. After strong alkaline materials are used, immediately flush out the tank and remove the lid until all vapors have escaped.



6 operation

Transporting—6- or 8-row booms only

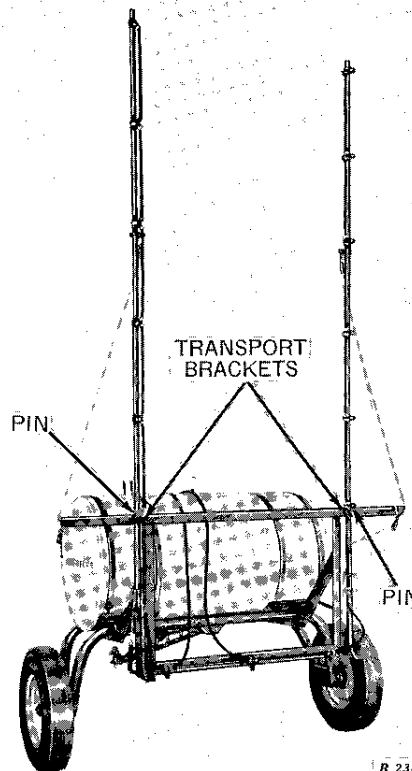


Pull the booms up with the lift rope. Reposition the inner rope stops on the lift rope, so that when the rope stops are inserted in the notches of the lift rope brackets, the booms will clear the ends of the boom frame.

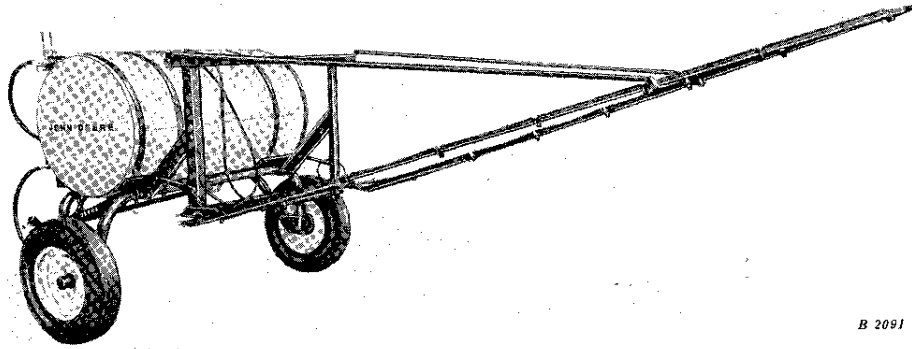
When transporting the sprayer over rough ground, or for a long distance, secure the booms to the boom frame as follows:

Raise the outer boom sections straight up behind the boom support rail and place them in the brackets. Secure the booms in place with the pins.

For reduced height, when transporting the sprayer, remove the stabilizer springs and chains from the boom. Swing the booms rearward and tie the booms together with the rope which is provided.



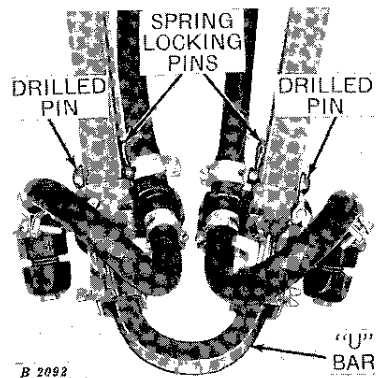
Transporting—12 row (40-ft.) booms only



B 2091

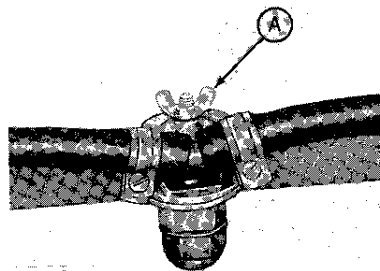
Swing the booms back and place the "U" bar in the ends of the booms. Secure the "U" bar in place with the drilled pins and spring locking pins.

When the boom is in working position secure the "U" bar to the boom frame with the drilled pins and spring locking pins.



B 2092

Nozzle adjustment

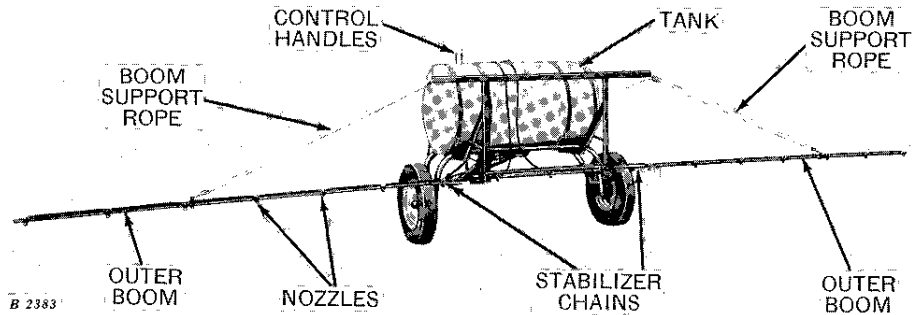


B 2095

The nozzles may be adjusted for narrow row spacing. Loosen nut "A," and slide the nozzle clamp on the boom to the desired spacing and tighten nut "A."

8 operation

Booms and controls



Swing the booms into operating position. Place enough tension on the stabilizer spring so the outer booms will stay in line with the center boom section.

Adjust the boom support brace until the outer booms are level.

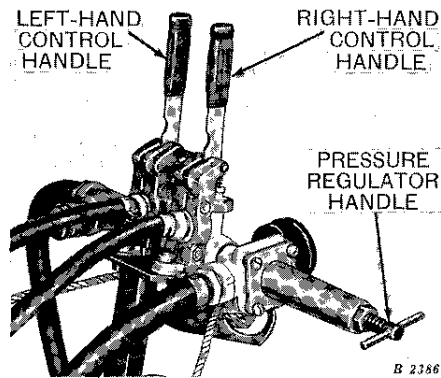
Adjust the height of the booms so there is approximately 18 inches of clearance between the nozzle tips and the surface to be sprayed.

The spray delivery to either half of the sprayer is regulated by the control handles.

When both handles are forward and horizontal, both sides of the sprayer are in operation.

When the right-hand handle is forward and horizontal and the left-hand handle vertical, the right-hand side of the sprayer is in operation.

When the left-hand handle is forward and horizontal and the right-hand handle vertical, the left-hand side of the sprayer is in operation.



CAUTION: Never regulate the pressure unless the sprayer is in operation. Do not operate the sprayer at pressures so high that the maximum pressure gauge capacity will be exceeded when the flow to the booms is shut off.

Placing both handles in a vertical position shuts the sprayer off.

The operating pressure may be regulated by turning the pressure regulator handle clockwise to increase the pressure, and counter-clockwise to decrease the pressure.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com