

JOHN DEERE 60 SPRAYER ATTACHMENT FOR JOHN DEERE 95, 95H, AND 15 COMBINES



OPERATORS MANUAL JOHN DEERE 60 SPRAYER ATTACHMENT FOR JOHN DEERE 95, 95H, AND 15 COMBINES

OMB25080 (01OCT63) English

OMB25080 (01OCT63)

LITHO IN THE U.S.A.
ENGLISH





TO THE PURCHASER

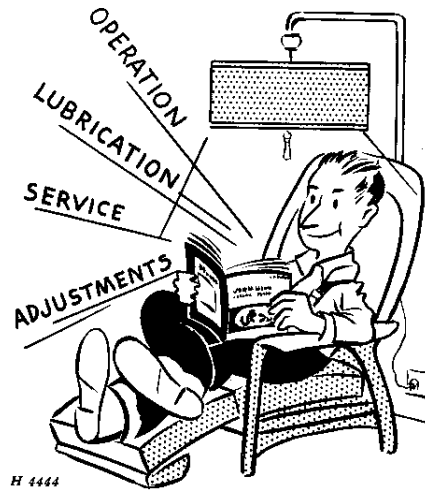
Your new Sprayer is sturdy and dependable. It will give long and efficient service if given proper care and operation.

This operator's manual is provided to furnish information on the proper operation, adjustment, maintenance, and lubrication.

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 60 Sprayer Attachment for the 95, 95H and 105 Combine

Hand Gun	<input type="checkbox"/>
Boom Extension Nozzles	<input type="checkbox"/>
Nozzle Tips	<input type="checkbox"/>
Five Gallon	<input type="checkbox"/>
Ten Gallon	<input type="checkbox"/>
Fifteen Gallon	<input type="checkbox"/>
Twenty Gallon	<input type="checkbox"/>
Thirty Gallon	<input type="checkbox"/>
Date Purchased	



CONTENTS

SPECIFICATIONS	2
IDENTIFICATION VIEW	2
OPERATION	3-11
Controls	3
Transporting	4
Field Operations	5-9
Special Equipment	10-11
SAFETY SUGGESTIONS	12
CLEANING SPRAYER	13
LUBRICATION	14
ADJUSTMENTS AND SERVICE	15-19
REMOVAL	20-21
INSTALLATION	23-25
ASSEMBLY	26-36
Shipping Bundle List	26



SPECIFICATIONS

TYPE — The 60 Sprayer attachment can be mounted on any 95, 95H (Hillside), or the 105 combine.

When the sprayer is mounted on a 95H (Hillside) combine, the boom frame and boom are automatically leveled by the combine to follow the contour of the ground.

TANK — Capacity—450 U.S. gallons.
Construction—Welded steel with baffle for load stability. Epoxy coated for chemical resistance.
Content mixing—Continuous agitation by recirculation.

PUMP — Ni-Resist Pump with 6 nylon rollers.

BOOM — The boom, which has a spray coverage of approximately 65-feet, is made of square tubing with nylon fittings connected with rubber hose and mounted on aluminum adjustable clamps.

The boom is made in three sections with the center section being stationary and the outer sections of the boom mounted on spring stabilized self aligning hinges.

BOOM CONTROL — The boom control is a two-position, 3 unit selector valve. Each one-third of the total boom coverage may be operated independently of the others.

NOZZLES — The nozzle bodies, nozzle caps and strainer bodies are made of nylon for resistance to chemicals. The line and nozzle strainers are made of stainless steel.

NOZZLE TIPS — Are made of brass or stainless steel.

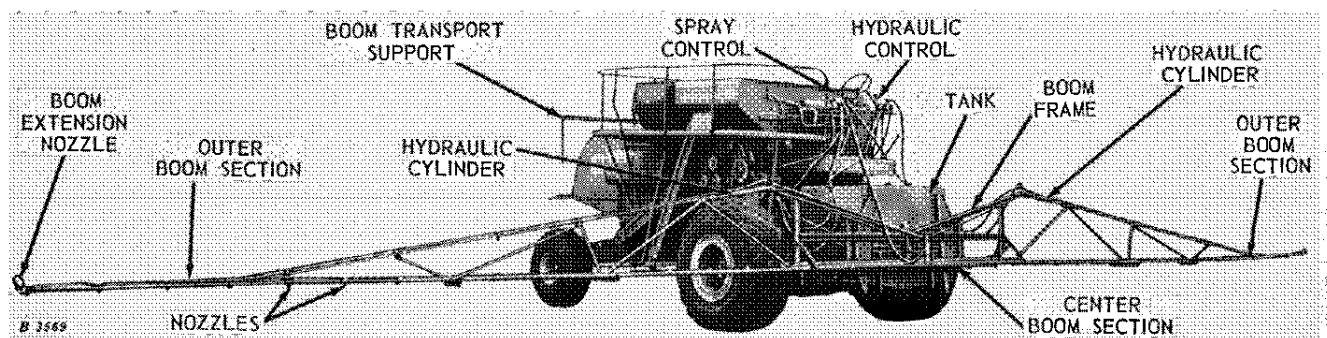
SPECIAL EQUIPMENT

HAND GUN — A hand gun is available with either 25- or 50-feet of hose. The hand gun can be attached to the boom controls.

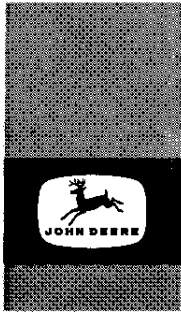
It can be used for spraying animals, buildings, fence rows, spot weed control, and for fire fighting.

BOOM EXTENSION NOZZLES — These nozzles fit on each end of the boom and increase the boom coverage by approximately 7 feet on each end.

(Specifications and design subject to change without notice.)

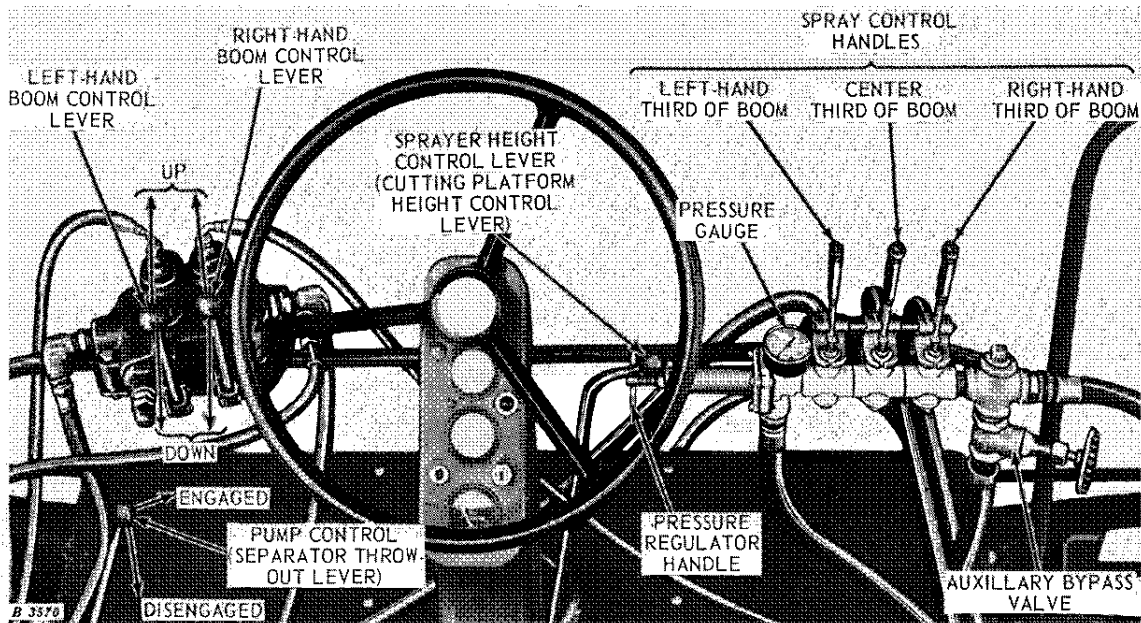


John Deere 60 Sprayer Mounted on a 95H Combine in Working Position



OPERATION

CONTROLS



Refer to the combine operator's manual for instructions on driving the combine.

SPRAY CONTROLS

Spray is controlled by three control handles. The left-hand handle controls the spray from the left-hand one-third of the boom.

The center handle controls the spray from the center one-third of the boom.

The right-hand handle controls the spray from the right-hand one-third of the boom.

PUMP CONTROL LEVER

The combine separator throw-out lever engages or disengages the sprayer pump.

HYDRAULIC CONTROLS

The booms are controlled hydraulically. The sprayer height control lever (cutting platform height control lever) raises or lowers the complete sprayer.

The boom control levers raise and lower the outer booms individually.

PRESSURE CONTROLS

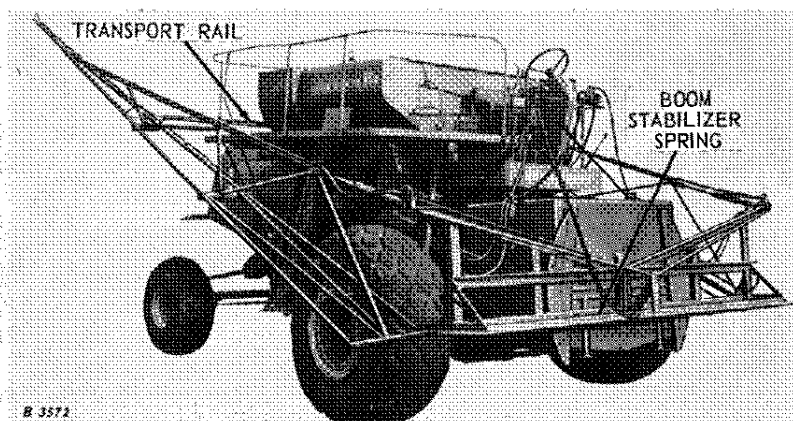
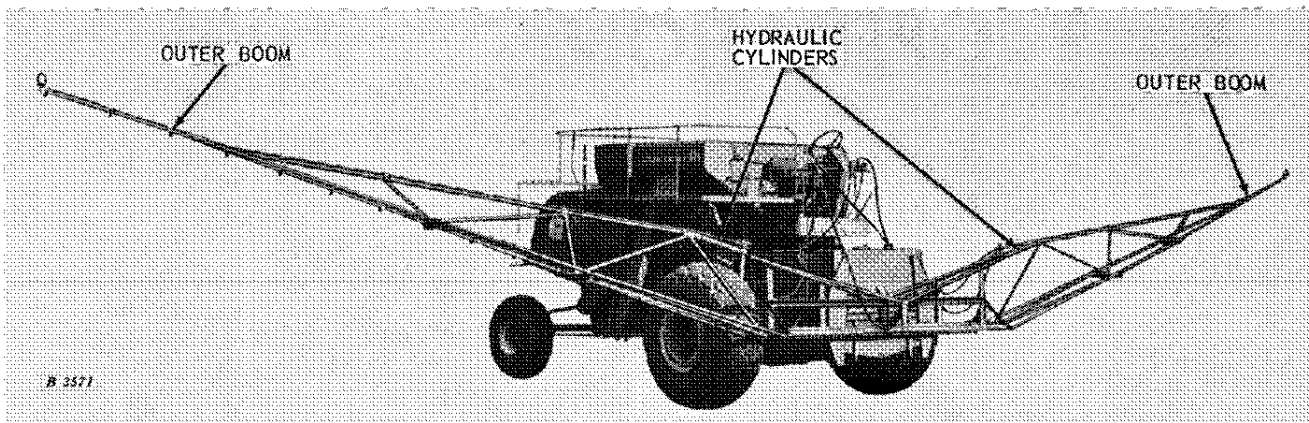
The operating pressure may be regulated by turning the pressure regulator handle clockwise to increase the pressure, and counter-clockwise to decrease the pressure.

If the desired pressure cannot be obtained by the pressure regulator handle, further adjustment may be made with the auxiliary bypass valve. Open the valve to decrease the pressure, and close the valve to increase the pressure.

CAUTION: If spray lines have been drained, or tank has run dry, close auxiliary bypass valve and open pressure regulator before starting sprayer pump. This will permit pump to pick up prime. After pump is primed adjust auxiliary bypass valve and pressure regulator to obtain desired pressure setting.

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.

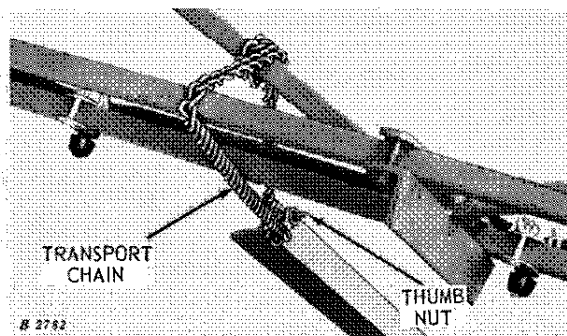
TRANSPORTING



Lift the outer booms with the boom control levers.

When transporting the sprayer over highways, or where there is not clearance for the wide-spread boom, place the booms in transport position as follows:

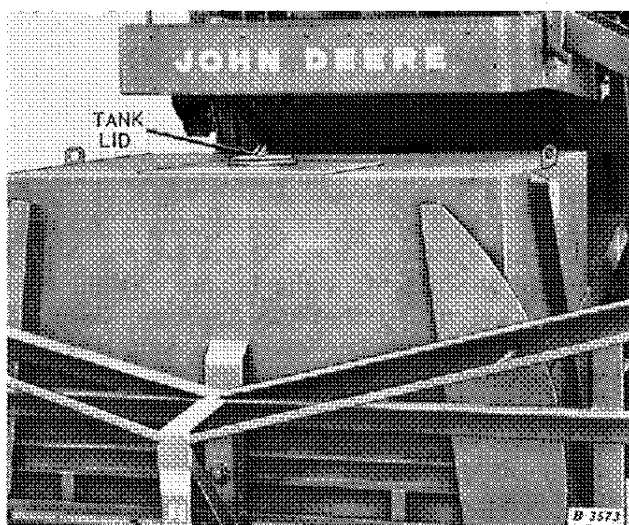
1. Disconnect the boom stabilizer spring. (See page 31.)
2. Raise the sprayer tank with the sprayer height control lever.
3. Swing the booms to the rear and lower them into position along side transport rail.
4. Secure the booms to the transport rail as shown.



CAUTION: When transporting equipment on road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. In this regard check local governmental regulations. Various lights and devices are available from your John Deere dealer.

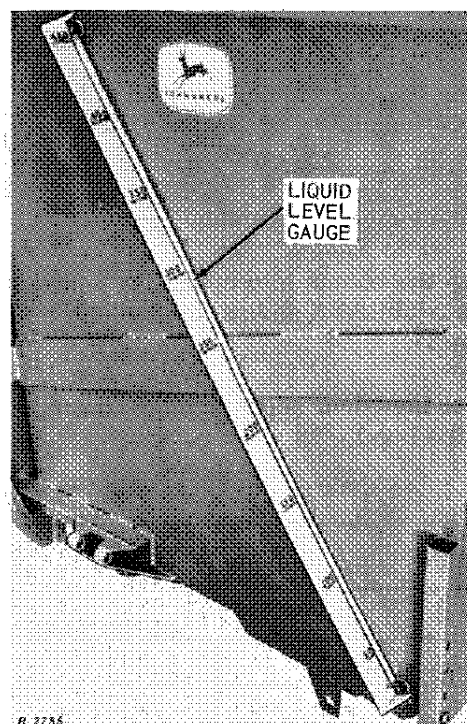
FIELD OPERATIONS

FILLING THE TANK



Open the lid and fill the tank with water. Add the chemical to be used as the tank is being filled. Close the lid. Operate the pump after tank is filled to mix the chemical thoroughly. Capacity of the tank is 450 U.S. gallons.

LIQUID LEVEL GAUGE



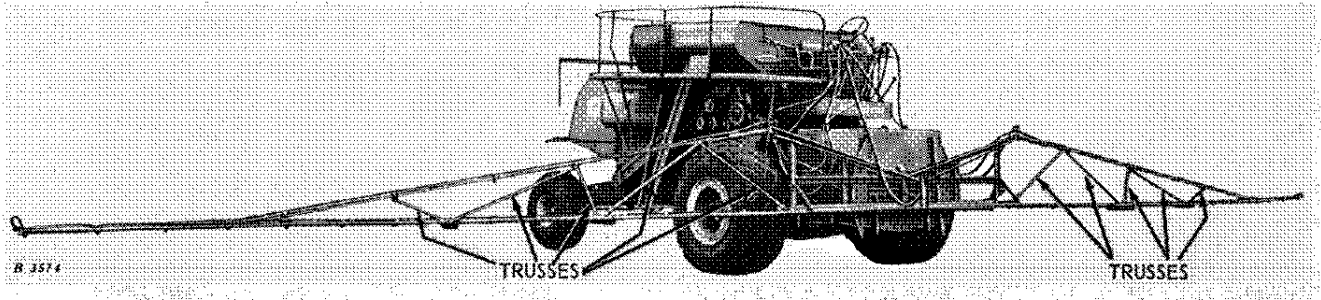
The liquid level gauge indicates amount of liquid in the tank.

NOTE: Always disengage sprayer pump when the liquid supply is exhausted. Never run the pump dry as this will damage the nylon rollers.



THE COMPLETE OBSERVANCE of one simple rule would prevent many thousand serious injuries each year. THAT RULE IS: "NEVER ATTEMPT TO CLEAN, OIL, OR ADJUST A MACHINE WHILE IT IS IN MOTION."

ADJUSTING THE BOOMS



Swing the booms into operating position. Attach the stabilizer spring to the outer booms. See page 31.

Adjust the height of the booms with the hydraulic control so there is approximately 20 inches of clearance between the nozzle tips and the surface to be sprayed.

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

RATES OF APPLICATION

Nozzle Tip Chart							
Approximate Gallons Per Acre with 20-Inch Nozzle Spacing							
Gallons Per Acre			Pressure Psi	John Deere Tip Number	Number Stamped on Tip	Material	Type of Spray Pattern
3 mph	4 mph	5 mph					
6.6	5.0	4.0	30	B 11891 B**	730077 B or FS 2.5	Brass	Fan
7.6	5.7	4.6	40				
9.3	7.0	5.6	60				
13.3	10.0	8.0	30	B 11875 B**	730154 B or FS 4.5	Brass	Fan
15.2	11.4	9.1	40				
18.6	14.0	11.2	60				
13.3	10.0	8.0	30	B 12286 B**	730154 SS or FS 4.5	Stain- less Steel	Fan
15.2	11.4	9.1	40				
18.6	14.0	11.2	60				
20.0	15.0	12.0	30	B 12287 B*	730231 SS or FS 5.5	Stain- less Steel	Fan
23.0	17.1	13.7	40				
28.0	21.0	16.7	60				
27.0	20.0	16.0	30	B 12288 B*	730308 SS or FS 6.5	Stain- less Steel	Fan
30.0	23.0	18.3	40				
37.0	28.0	22.0	60				
40.0	30.0	24.0	30	B 15266 B*	730462 B or FS 8.5	Brass	Fan
46.0	34.0	27.0	40				
56.0	42.0	34.0	60				

*Use with 50 mesh strainers (AB12076B)

**Use with 100 mesh strainers (AB12077B)

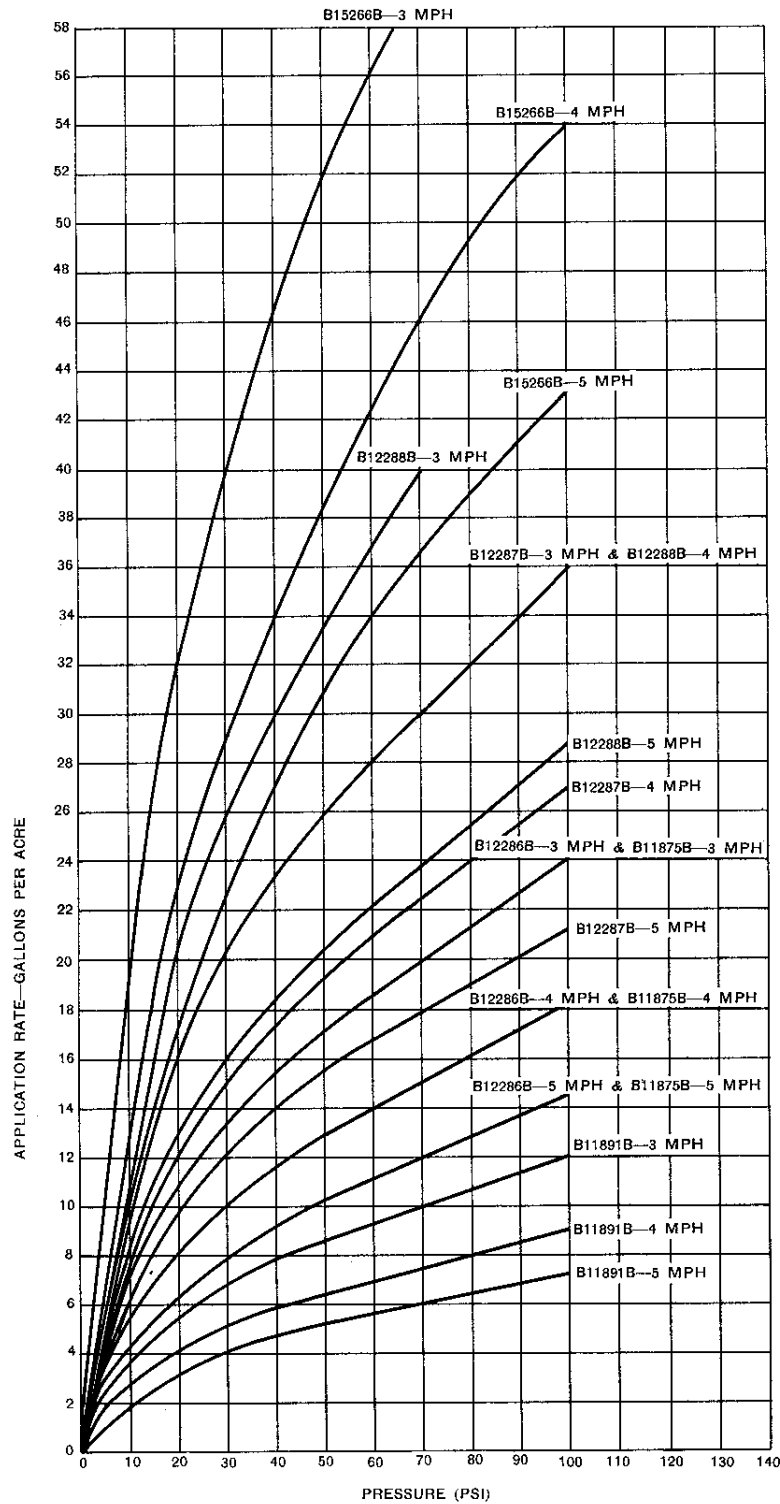
B11891B is regular equipment

Capacities are based on clear water – spray mixtures will vary; and if greater accuracy is desired, calibrate sprayer as instructed on page 8.

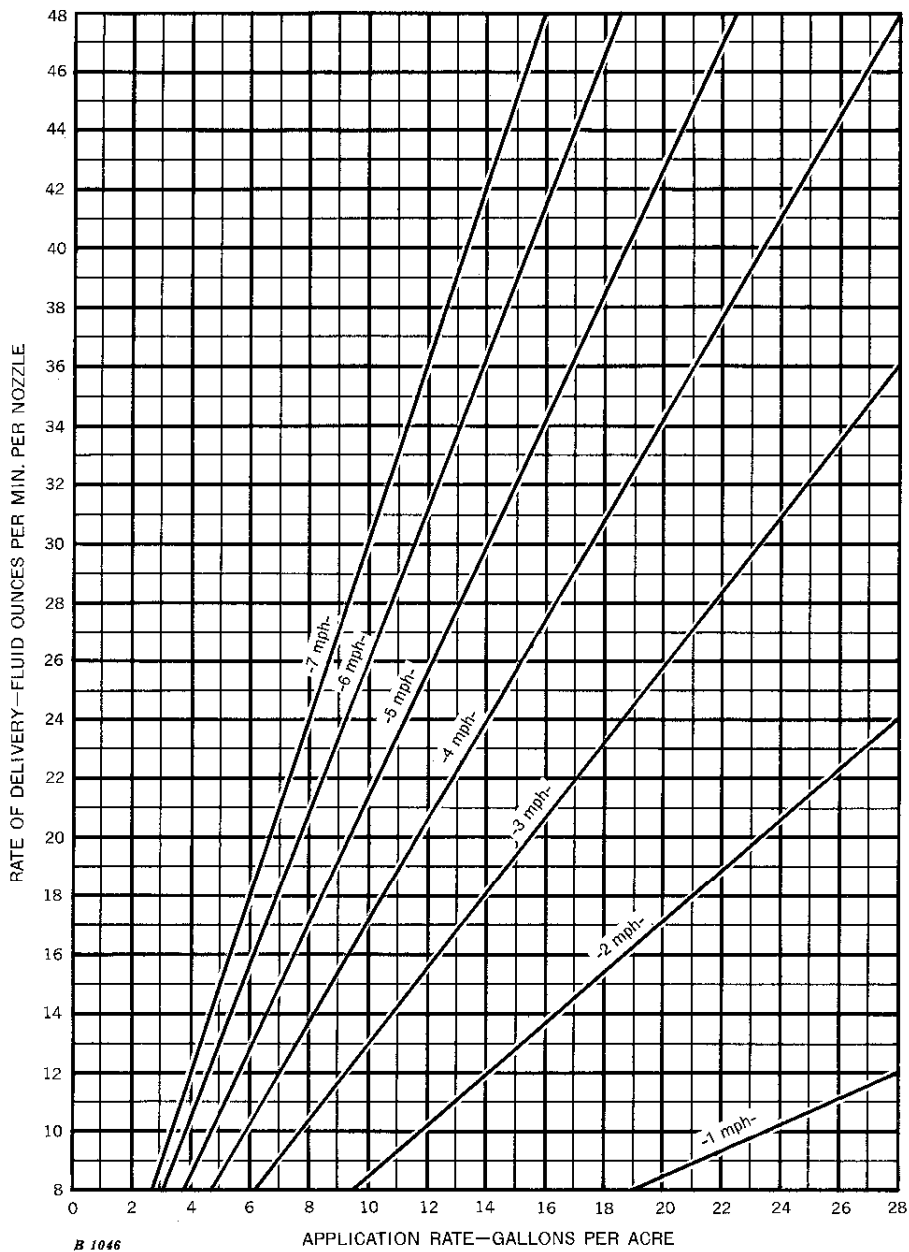
NOTE: All standard John Deere nozzle tips may be used if so desired.

Application Rate Chart—Fan Spray Nozzle Tips

The following chart shows the effect that increasing or decreasing the pressure and rate of travel has on the application rate. The capacities are based on clear water and 20-inch nozzle spacing.



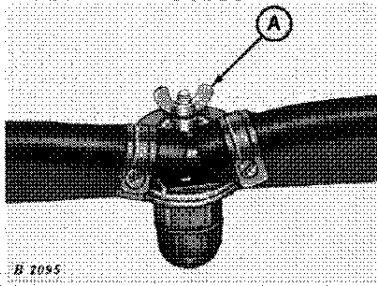
Sprayer Calibration Chart (Based on 20" Nozzle Spacing)



To Use Chart: Operate engine at throttle setting which will be used in the field. Engage sprayer pump and collect sample from one nozzle for one minute. Measure the sample in ounces (1 quart = 32 ounces). To find the application rate in gallons per acre, read measured ounces on left-hand side of chart, follow line over to the desired speed line and read gallons per acre on bottom line of chart. If desired application rate is not obtained on first check, adjust the pressure and repeat check. To calibrate for higher speeds than indicated on chart, collect sample for one-half minute and read gallons per acre for one-half of desired speed.

Example: For 8 mph collect sample for one-half minute and read chart to 4 mph line.

NOZZLE SPACING ADJUSTMENT



The nozzle spacing may be adjusted as follows: Loosen nut "A," and slide the nozzle clamp on the boom to the desired spacing and tighten nut "A."

NOTE: The rate of application will increase when the nozzle spacing is decreased.

PUMP

Arrows on the pump ports indicate proper rotation.

Bearings are lubricated at the factory, and require no further lubrication. DO NOT allow oil or kerosene to get on the bearings as it may wash out the grease.

Avoid operating pump dry.

Do not pump strong acids or solutions of copper salts such as soluble copper sulfate with the Ni-Resist pump.

Do not pound pump apart with a hammer or pry it apart with a screwdriver.

Do not pump sandy or gritty liquids. Avoid pumping whitewash solutions containing abrasive materials, as these materials will reduce pump life.

Pump Capacity								
Pump Speed (Rev. per Min.)	Pressure - in Pounds Per Square Inch							
	0 Lbs.		50 Lbs.		100 Lbs.		150 Lbs.	
	Gpm	Hp	Gpm	Hp	Gpm	Hp	Gpm	Hp
400	25	1/2	21	1-1/4	19	2	17	2-3/4
600	37	3/4	34	1-3/4	31	3	29	4-1/4
800	47	1	44	2-1/2	42	3-3/4	40	5-1/2
1000	57	1-1/2	55	3-1/4	53	4-3/4	51	6-3/4

Recommended pump speed for normal spraying requirements is from 600 rpm to 650 rpm.

CAUTION: If spray lines have been drained, or tank has run dry, close auxiliary bypass valve and open pressure regulator before starting sprayer pump. This will permit pump to pick up prime. After pump is primed adjust auxiliary bypass valve and pressure regulator to obtain desired pressure setting.

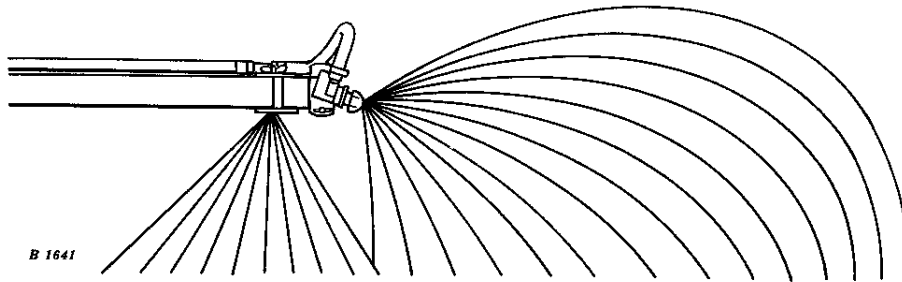
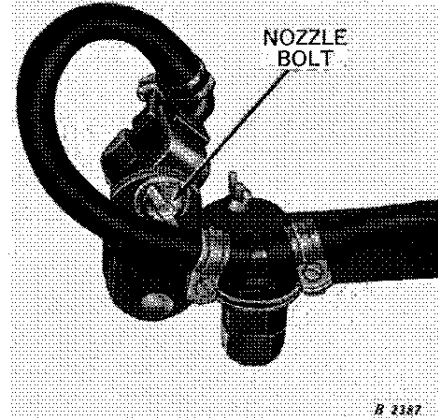
SPECIAL EQUIPMENT

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.

The swivel mounting permits adjustment for closure of the spray pattern with the adjoining spray nozzle.

To adjust the swivel nozzle, loosen the nozzle bolt, adjust the nozzle, and retighten the bolt.



The Above Illustration is a Typical Application

Boom Extension Nozzle Tip Chart						
<p>The following chart shows the approximate gallons per acre at various speeds and pressures for the boom extension nozzle. The capacities are based on clear water and will vary when different types of spray mixtures are used.</p>						
Nozzle Tip Number	Pressure psi	Capacity gpm	Maximum Width of Effective Coverage in Inches	Gallons Per Acre		
				3 mph	4 mph	5 mph
B 12350 B (Number Stamped) on tip is OCO-4)	30	.35	91''	7.6	5.7	4.6
	40	.40	93''	8.5	6.4	5.1
	60	.49	94''	10.5	7.7	6.2
B 13930 B (Number Stamped) on tip is OCO-8)	30	.69	100''	13.6	10.2	8.2
	40	.80	102''	15.5	11.6	9.3
	60	.98	104''	18.6	14.0	11.2
B 15265 B (aluminum) or B 13929 B (brass) (Number Stamped) on tip is OC-12)	30	1.0	102''	20.0	15.1	12.1
	40	1.2	104''	23.0	17.1	13.7
	60	1.5	105''	28.0	21.0	16.6

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