

451 AND 651 TOOLBAR FERTILIZER UNITS



OPERATORS MANUAL 451 AND 651 TOOLBAR FERTILIZER UNITS

OMB25495 C1 English

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LITHO IN THE U.S.A.
ENGLISH






To the Purchaser

This new fertilizer unit was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need - whether it is operation, lubrication, or adjustments and service. Read the Table of Contents to learn where each section is located. Use the alphabetical index for fast reference.

"Right-hand" and "left-hand" sides are determined by facing in the direction the fertilizer unit will travel when in use.

If your fertilizer unit requires replacement parts, go to your John Deere dealer where you can obtain genuine John Deere parts - accept no substitute.

The warranty on this fertilizer unit appears on your copy of the purchase order which you should have received from your dealer when you purchased the fertilizer unit.

 This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.





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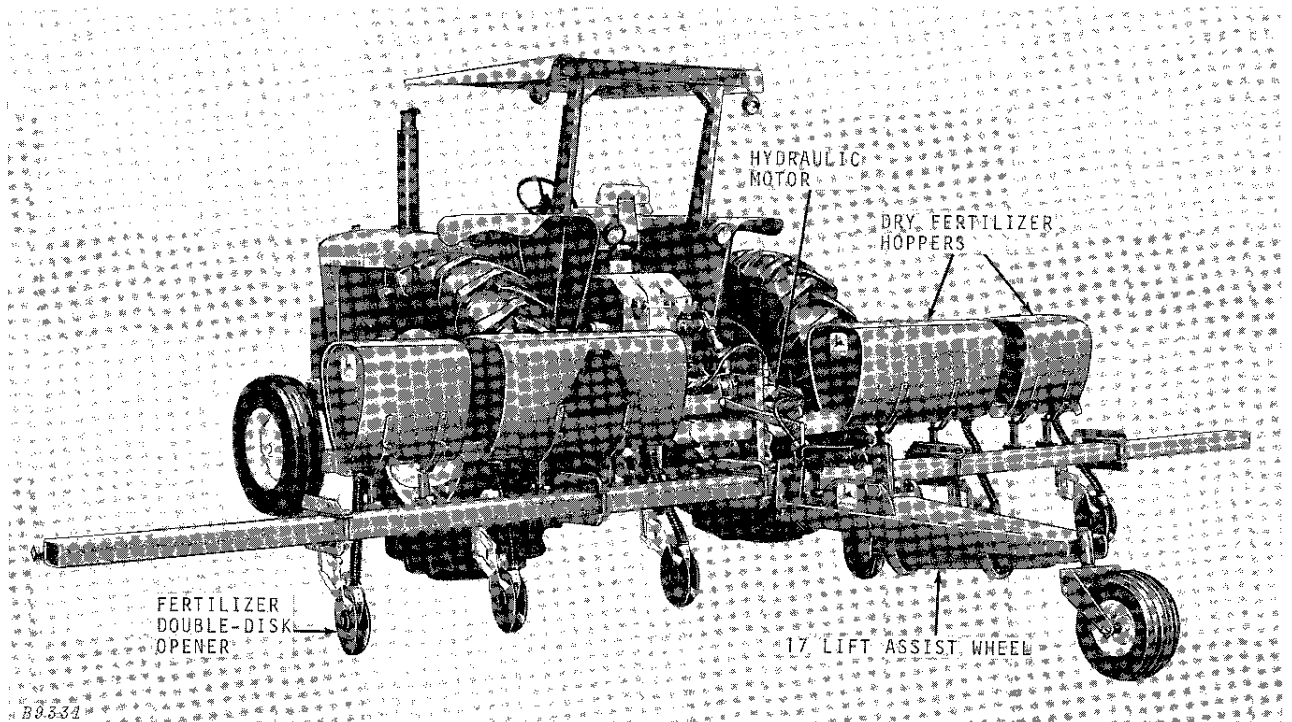
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John Deere 651 Fertilizer Unit Mounted on a 2-1/4-Inch Square and 4- x 7-Inch Toolbar Combination and Using One 17 Lift Assist Wheel



Operation

PREPARING THE TRACTOR

All Tractors

For complete operating instructions concerning the tractor, refer to the tractor operator's manual.

Rear Wheel Tread

Set the tractor wheel tread as nearly as possible twice the distance of the row width. For example: For 40-inch row widths, set the tractor wheel tread at 80 inches.

Tire Pressure

Consult your tractor operator's manual for front and rear tire pressure.

Front End Weighting

Front end weighting is necessary for efficient operation and safety. Therefore, it is important that the proper weight be added to the front end of the tractor.

The following front end weights are recommended for John Deere 2510, 3020, or 4020 Series Tractors equipped with a 651 Fertilizer Unit, six 23R Unit Planters, double 2-1/4-inch square toolbars, and 5D or 9B Tool Carrier.

RECOMMENDED FRONT END WEIGHT

Tractor	Tool Carrier	Attachment Combinations*	
		A	B
2510 RC	5D	700 lbs.	* *
Tri-cycle	9B	800 lbs.	* *
2510 RC	5D	400 lbs.	* *
Adj. Tread	9B	510 lbs.	* *
3020 U	5D	300 lbs.	* *
Short			
Wheelbase	9B	400 lbs.	* *
3020 RC	5D	600 lbs.	1,000 lbs.
Tri-cycle	9B	700 lbs.	1,100 lbs.
3020 RC	5D	200 lbs.	600 lbs.
Adj. Tread	9B	400 lbs.	800 lbs.
3020 S	5D	300 lbs.	800 lbs.
Short			
Wheelbase	9B	400 lbs.	900 lbs.
4020 RC	5D	0 lbs.	500 lbs.
Tri-cycle	9B	0 lbs.	600 lbs.
4020 RC	5D	0 lbs.	200 lbs.
Adj. Tread	9B	0 lbs.	300 lbs.
4020 S	5D	0 lbs.	200 lbs.
Short			
Wheelbase	9B	0 lbs.	300 lbs.

* Combination "A" includes 18-foot double 2-1/4-inch square toolbars, 5D or 9B Tool Carrier, Quik-Coupler, one 17 Lift Assist Wheel, 651 Fertilizer Unit, hydraulic marker, and six 23R Unit Planters.

Combination "B" includes 18-foot double 2-1/4-inch square toolbars, 5D or 9B Tool Carrier, Quik-Coupler, one 17 Lift Assist Wheel, 651 Fertilizer Unit, hydraulic marker, and six 23R Unit Planters with regular insecticide attachment.

* * Combination not recommended.

The following front end weights are recommended for John Deere 2510, 3020, or 4020 Series Tractors when the 5D or 9B Tool Carrier is used with the 451 or 651 Fertilizer Unit and 24B or 25B Unit Planters.

RECOMMENDED FRONT END WEIGHT

Tractor	Tool Carrier	Attachment Combinations*		
		A	B	C
2510 RC	5D	900 lbs.	* *	* *
Tri-cycle	9B	1,000 lbs.	* *	* *
2510 RC	5D	500 lbs.	* *	* *
Adj. Tread	9B	900 lbs.	* *	* *
3020 U	5D	400 lbs.	* *	* *
Short				
Wheelbase	9B	600 lbs.	* *	* *
3020 RC	5D	700 lbs.	600 lbs.	* *
Tri-cycle	9B	900 lbs.	800 lbs.	* *
3020 RC	5D	400 lbs.	200 lbs.	* *
Adj. Tread	9B	500 lbs.	400 lbs.	* *
3020 S	5D	400 lbs.	200 lbs.	* *
Short				
Wheelbase	9B	600 lbs.	400 lbs.	* *
4020 RC	5D	200 lbs.	0 lbs.	900 lbs.
Tri-cycle	9B	400 lbs.	0 lbs.	1,000 lbs.
4020 RC	5D	0 lbs.	0 lbs.	600 lbs.
Adj. Tread	9B	0 lbs.	0 lbs.	600 lbs.
4020 S	5D	0 lbs.	0 lbs.	500 lbs.
Short				
Wheelbase	9B	0 lbs.	0 lbs.	800 lbs.

* Combination "A" includes 14-foot double 2-1/4-inch square toolbars, 5D or 9B Tool Carrier, Quik-Coupler, one 17 Lift Assist Wheel, 451 Fertilizer Unit, hydraulic marker, four 24B or 25B Unit Planters with Herbicide and Insecticide Attachments.

Combination "B" includes 18-foot double 2-1/4-inch square toolbars, 5D or 9B Tool Carrier, Quik-Coupler, two 17 Lift Assist Wheels, 651 Fertilizer Unit, hydraulic marker, six 24B or 25B Unit Planters with regular Insecticide and Herbicide Attachments.

Combination "C" includes 18-foot double 2-1/4-inch square toolbars, 5D or 9B Tool Carrier, Quik-Coupler, two 17 Lift Assist Wheels, 651 Fertilizer Unit, hydraulic marker, six 24B or 25B Unit Planters with large capacity Herbicide and Insecticide Attachments.

* * Combinations not recommended.

The following front end weights are recommended for the John Deere 4020 Series Tractor when the 5D Tool Carrier is used with the 451 or 651 Fertilizer Unit and 51 Unit Planters mounted on double 2-1/4-inch square toolbars.

RECOMMENDED FRONT END WEIGHT

Tractor	Attachment Combinations*					
	A	B	C	D	E	F
4020 RC	1,000	800	1,200	800	1,000	1,200
Tri-cycle	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
4020 RC	600	400	800	400	700	800
Adj. Tread	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
4020 S	700	500	900	500	800	800
Short						
Wheelbase	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.

* NOTE: See page 4 for attachment combinations.

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