

18 COTTON AND CORN UNIT PLANTER



JOHN DEERE

OPERATORS MANUAL 18 COTTON AND CORN UNIT PLANTER

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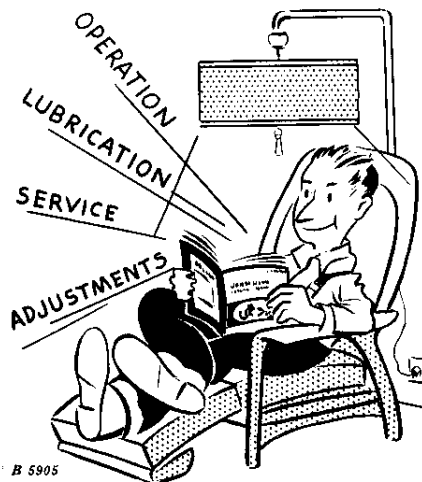
TO THE PURCHASER

Your new unit planter is sturdy 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, maintenance, and lubrication of your new planter.

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 planter and facing the direction of travel.



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

JOHN DEERE 18 COTTON AND CORN UNIT PLANTER

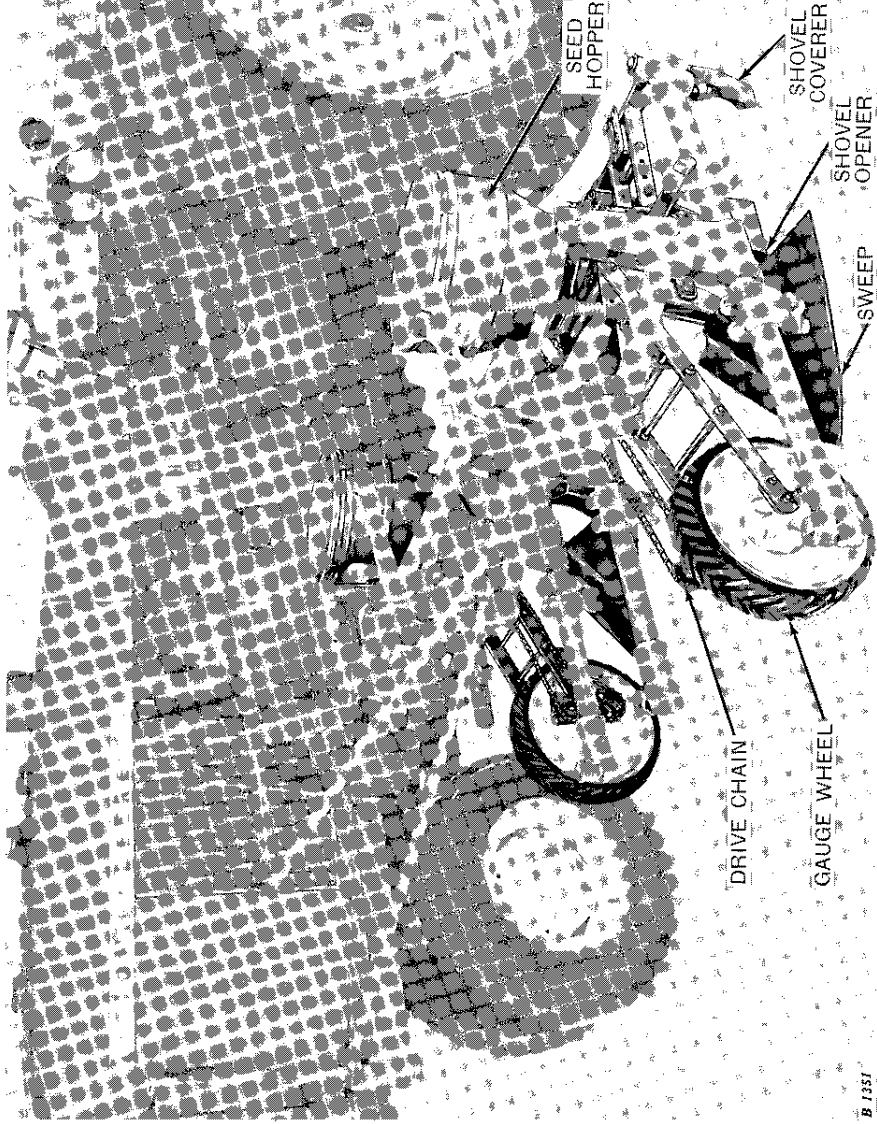
Check off the attachments obtained, and record the date purchased.

Two-Row Planter	<input type="checkbox"/>	Clod Shield	<input type="checkbox"/>
Four-Row Planter	<input type="checkbox"/>	Brush Cut-Off and Baffle Plate	<input type="checkbox"/>
Fertilizer Attachment . . .	<input type="checkbox"/>	Pea or Bean Attachment . .	<input type="checkbox"/>
Seed Runner Openers	<input type="checkbox"/>	Shelled Peanut Attachment	<input type="checkbox"/>
Disk Coverers	<input type="checkbox"/>	Unshelled Peanut Attachment	<input type="checkbox"/>
Seed Packer Wheel	<input type="checkbox"/>	Fine Seed Attachment . . .	<input type="checkbox"/>
Press Wheel	<input type="checkbox"/>	Cell-Drop Cotton Planting Attachment	<input type="checkbox"/>
		Date Purchased	

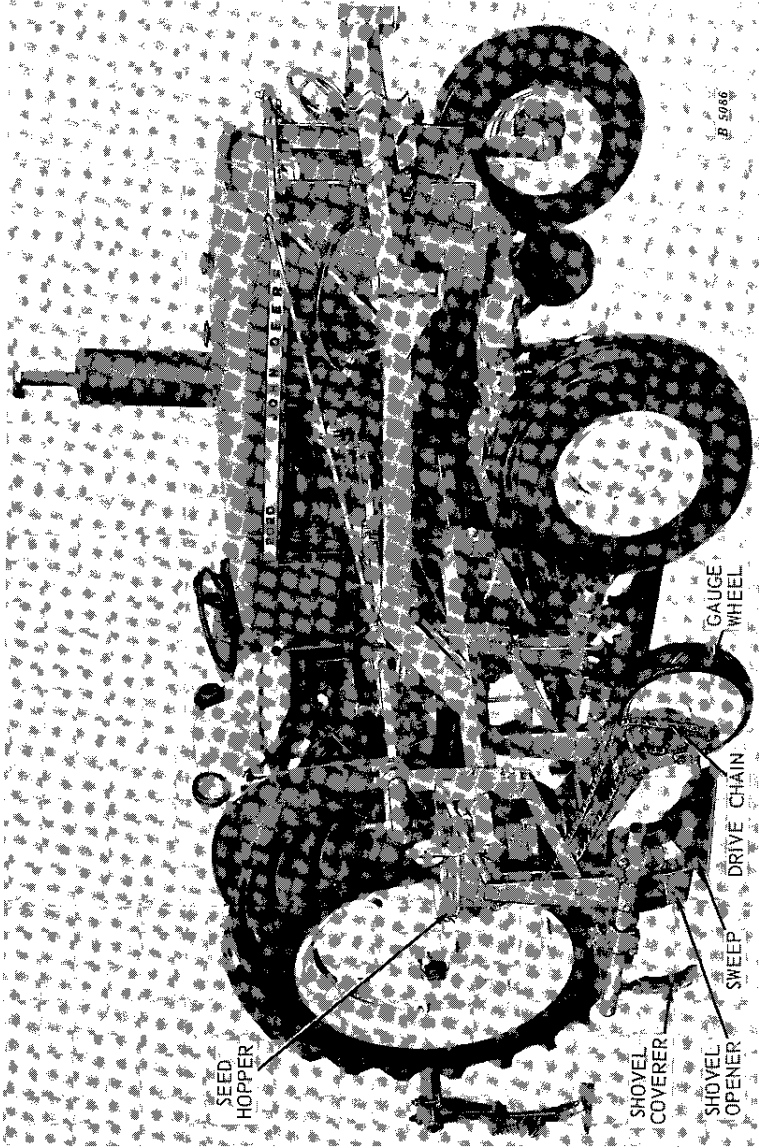


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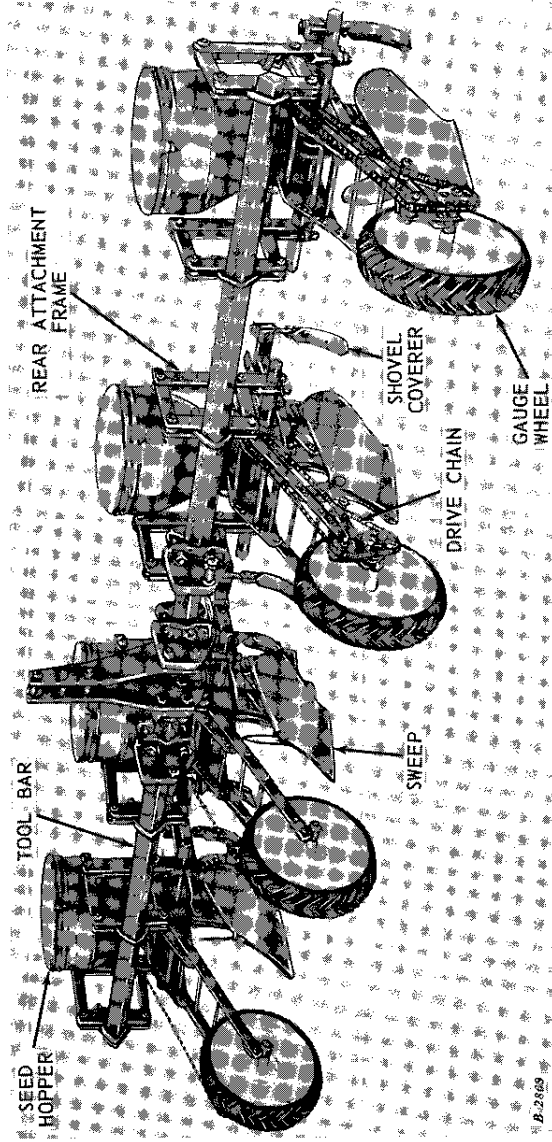
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Four 18 Unit Planters with T4 Cultivator on a John Deere 4010 Tractor



Four 18 Unit Planters with AU-40 Cultivator
on a John Deere 2020 Tractor



Four 18 Unit Planters Mounted on a John Deere 500 Series Tool Bar



SPECIFICATIONS

TYPE—Two- or Four-Row Cotton and Corn Unit Planter which attaches to any rear-mounted tool bar, rear-mounted cultivator, or to any two- or four-row John Deere front-mounted cultivator, except those which mount on Row-Crop Tractors with adjustable tread front ends.

ROW WIDTH—38, 40, or 42 inches on front-mounted cultivators; refer to page 11 for row width on rear-mounted tool bar.

SEED HOPPER—Approximately 3/4 bushel capacity.

PLANTING DEPTH—Controlled by position of quick-adjustable pin in the opener arms.

SEED OPENERS—Shovel openers are regular. Runner openers are optional.

SEED COVERERS—Shovel coverers are regular. Disk coverers are optional.

TYPE OF DRIVE—Sprocket and chain from the gauge wheel axle.

GAUGE WHEEL—6 x 16 wheel with rubber tire regular, 4 x 16 wheel optional.

SEED PACKER WHEEL—7 inch seed packer wheel for firming seed against the moist soil. Not recommended for use in sticky soils.

PRESS WHEEL—For firming the soil over the seed. Not recommended for use in sticky soils.

CLOD SHIELD—For use with flat sweeps to keep clods and dirt from flowing over the tops of the sweeps.

DRY FERTILIZER ATTACHMENT—Available for 4-row rear-mounted planters. 42A or 442A Side Dresser can be used with either front- or rear-mounted planters.

INSECTICIDE ATTACHMENT—For applying insecticide in the row with the seed at the time of planting. Each hopper has a capacity of approximately 15 pounds.

BRUSH CUT-OFF AND BAFFLE PLATE—For planting fragile seeds, such as castor beans.

PEA OR BEAN ATTACHMENT—For dropping corn and beans alternately in the row.

SHELLED PEANUT ATTACHMENT—Reduces seed damage by using plate which supports most of the seed weight.

UNSHELLED PEANUT ATTACHMENT—For planting peanuts in the shell.

FINE SEED ATTACHMENT—For planting grass and similar small seeds.

CELL-DROP COTTON PLANTING ATTACHMENT—For planting mechanically delinted cotton seed. Used in place of the picker wheel in the seed hopper.

(Specifications and design subject to change without notice.)



OPERATION

PLANTER FOR FRONT-MOUNTED CULTIVATOR

PREPARING THE TRACTOR

Refer to the tractor operator's manual for instructions covering tire inflation and the hydraulic system.

Wheel Tread

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

Front Tire Size

When using a four-row, front-mounted planter with a 442A Side Dresser, the tractor must be equipped with 6.00 x 14 6-ply or larger tires on double front wheels or 11.00 x 12 12-ply tire on single front wheel.

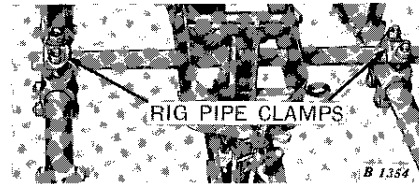
PREPARING THE CULTIVATOR

Remove the shanks and sweeps from the rig pipes. Also, remove the gauge wheels if so equipped.

Refer to the cultivator operator's manual for setting row widths and attaching to or detaching from the tractor.

ATTACHING PLANTER TO CULTIVATOR

Attach planters to cultivator rig pipes.



ROW WIDTHS

The row widths can be 38, 40, or 42 inches.

To change row widths, loosen the nuts on the rig pipe clamps and slide planters to the desired position. Tighten the nuts.

If the desired row widths cannot be obtained by moving the planters move the cultivator rigs.

PLANTER FOR REAR-MOUNTED CULTIVATOR

PREPARING THE TRACTOR

Refer to the tractor operator's manual for instructions covering tire inflation and the hydraulic system.

1020 or 2020 Series Tractors

Wheel Tread

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

Belt Pulley

The belt pulley must be removed from the tractor, if the tractor is so equipped.

Sway Blocks

Attach sway blocks to eliminate all side sway when transporting planter.

Setting the Rockshaft Selector Lever

Set the selector lever in the "D" position.

Lift Links and Center Link

Adjust the length of the lift links to 25-5/8 inches and the center link to 26 inches.

Front End Weights

Front end stability is necessary for efficient and safe operation. Add weight to the front end of the tractor according to the following table:

Tractor	Cultivator Model			
	RG-2	RG-4	RG-20	RG-40
1020 RU	0	---	0	900 lbs
1020 HU	0	---	0	800 lbs
2020 RU	0	900 lbs	0	600 lbs
2020 HU	0	750 lbs	0	500 lbs

2510, 3010, 3020, 4010, or 4020 Series Tractors

Wheel Tread

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

Belt Pulley

The belt pulley must be removed from the tractor, if the tractor is so equipped.

Sway Blocks

Attach sway blocks to eliminate all side sway when transporting planter.

Setting the Rockshaft Selector Lever

Set the selector lever in the "D" position.

Lift Links

Use nominal hitch linkage settings and adjust in the field as necessary.

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