

44W UNIT PLANTER

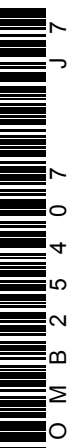


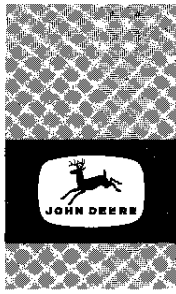
OPERATORS MANUAL 44W UNIT PLANTER

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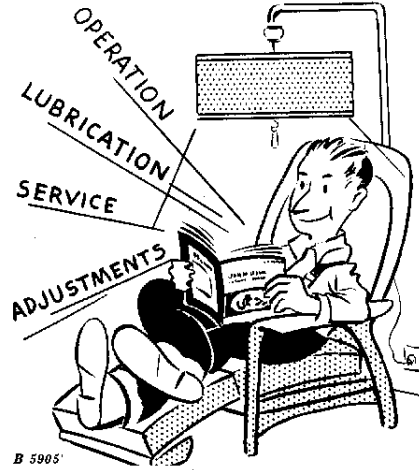
TO THE PURCHASER

Your new 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.

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.



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

44W UNIT PLANTER

Check off model of your planter, special equipment obtained, and record date purchased.

Model:

- 44W with Runner Openers
- Rubber Press Wheel Tire
- Press Wheel Band
- Gauge Shoe
- Double Disk Seed Opener
- Cappers
- Knife Coverers
- Disk Coverers
- Seed Packer Wheel

- V-Wing.
- Spring Pressure Attachment.
- Brush Cut-Off and Baffle Plate.
- Cotton Cell-Drop Planting Attachment
- Pea and Bean Attachment.
- Fine Seed Attachment
- Unshelled Peanut Attachment
- Shelled Peanut Attachment.
- Insecticide Attachment
- Granular Herbicide Attachment.
- Row Leveling Blades.
- Date Purchased

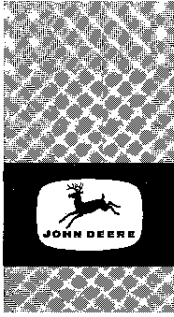
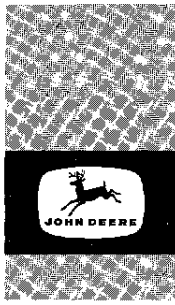
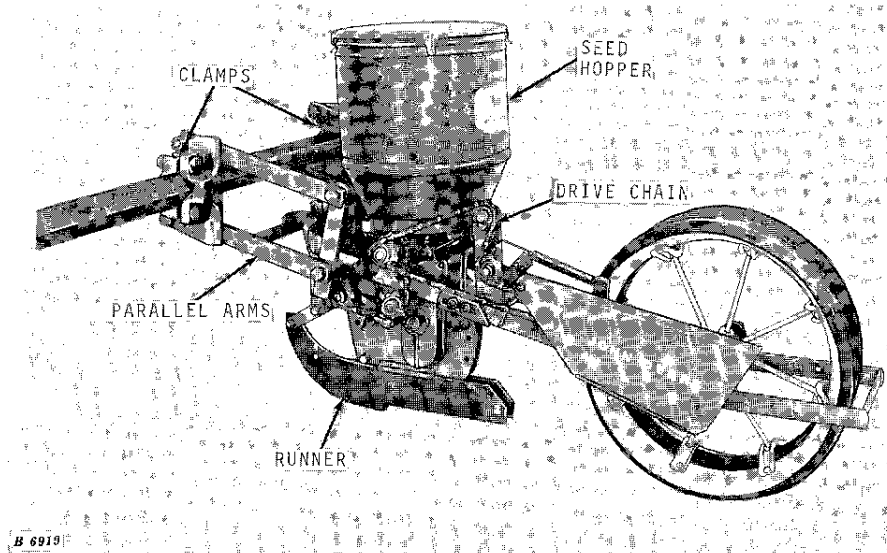


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SPECIFICATIONS



TYPES - The 44W Unit Planter is a rear-mounted, cotton and corn, hill-drop or drill planter. It can be attached to any square 2-1/4-inch rear-mounted toolbar. One or more units may be mounted on the toolbar depending upon the length of the toolbar, desired row spacing, position of the toolbar attaching parts, the use of the quick-coupler, type of hitch, the type of attachment used on the unit, and the tractor size.

ROW WIDTHS - Maximum row widths are limited only by the length of the toolbar and the toolbar attaching parts. Minimum row widths are dependent upon the following combinations: (1) with clamps on inside of parallel arms and without spring pressure attachment, minimum row spacing is 20 inches; (2) with clamps on outside of parallel arms, minimum row spacing is 24 inches.

TYPE OF DRIVE - Sprocket and roller chain from press wheel axle.

SEED HOPPER CAPACITY - Approximately 1-1/16 bushel.

PRESS WHEEL - 22-inch press wheel. Can be equipped with scrapers, and/or steel press wheel bands. Rubber press wheel tires are available.

PLANTING DEPTH - Controlled by press wheel, gauge shoe, or V-Wing.

OPTIONAL ATTACHMENTS

PRESS WHEEL BAND - Used for a more compact seedbed. The band will close up the opening and make the press wheel solid and increase press wheel flotation in light soil conditions.

DOUBLE DISK SEED OPENERS - 14-inch double disk seed openers are used in trashy field conditions and for better penetration in hard soil conditions.

GAUGE SHOES - Gauge shoes are used for maintaining accurate planting depth in loose soil conditions.

SEED PACKER WHEEL - 10-inch seed packer wheel for firming seed against the moist soil. Not recommended for loose soils such as peat, or wet, sticky soils. Recommended for use in limited moisture conditions.

BRUSH CUT-OFF AND BAFFLE PLATE - Used for planting fragile seeds such as castor beans.

OPTIONAL ATTACHMENTS—Continued

CAPPERS - Cappers will mound up the soil over row to prevent drying of soil in seed zone. Capper cannot be used with the herbicide attachment.

V-WING - Used for clearing the clods and dry soil off the top of the surface soil either in level planting or on beds. Cannot be used with double disk seed openers, or gauge shoes.

FINE SEED ATTACHMENT - Used for planting vegetables, grass and similar seeds.

PEA AND BEAN ATTACHMENT - Used for dropping corn and beans alternately in the row.

UNSHELLED PEANUT ATTACHMENT - Used for planting peanuts in the shell.

SHELLED PEANUT ATTACHMENT - Used for planting shelled peanuts. Reduces seed damage by using plate which supports most of seed weight.

COVERERS - Knife or disk coverers are available for positive seed coverage.

TWO-LOBED ROTOR - Used to gain additional hill-drop distances.

THREE-LOBED ROTOR - Regular on the 44W.

ROW LEVELING BLADES - This attachment will mix either granular or sprayed herbicide in the soil from the surface to a depth of approximately 1/2 inch depending on soil types and conditions.

INSECTICIDE ATTACHMENT - 30 pound capacity. Will apply insecticide in the row with the seed at the time of planting.

GRANULAR HERBICIDE ATTACHMENT - 30 pound capacity. Used for applying granular herbicide over the row at the time of planting.

CELL-DROP COTTON PLANTING ATTACHMENT - Can be used in place of the picker wheel for planting gin-run, mechanically delinted, or flame delinted cotton seed.

17 LIFT ASSIST WHEEL - Will permit a smaller tractor to handle four planting units and attachments.

(Specifications and design subject to change without notice.)



OPERATION

PREPARING THE TRACTOR

ALL TRACTORS

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

REAR WHEEL TREAD

When two or four units are being used, 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.

40, 420, 430, 1010 OR 1020 SERIES TRACTORS

Belt Pulley

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

Rockshaft Lift Arms

Adjust the hydraulic system so integral cylinders are parallel and the lift arms operate together. See tractor operator's manual.

Load and Depth Control System

Lock out the Load and Depth Control action on the 40, 420, 430, and 1010 Series Tractors. Place the rockshaft selector lever in the "D" position on the 1020 Series Tractor.

Lift Links

On the 40, 420, 430 or 1010 Series Tractor attach the lift links to the inner holes on the rockshaft lift arms. Set the length of the left-hand lift link as recommended in the tractor operator's manual. The right-hand lift link provides adjustment for leveling the toolbar.

On the 1020 Series Tractors adjust the lift links for transport clearance and lateral float. See the tractor operator's manual.

Sway Chains or Sway Blocks

Adjust the sway stop chains or sway blocks to eliminate all side sway when planter is in transport position.

Front End Weights

Add the necessary front end weights for efficient operation and safety. See tractor operator's manual.

2010 OR 2020 SERIES TRACTORS

Belt Pulley

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

Sway Blocks

Sway blocks must be positioned to eliminate all side sway except for contour planting.

Rockshaft Lift Arms - 2010 Series Tractors

Adjust the tractor hydraulic system so integral cylinders are parallel and the lift arms operate together. See tractor operator's manual.

Setting the Rockshaft Selector Lever

Set the selector lever in the "D" position.

Lift Links

Adjust the lift links for transport clearance and lateral float. See the tractor operator's manual.

Front End Weights

Add all the necessary front end weights for efficient operation and safety. See tractor operator's manual.

Belt Pulley

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

Sway Blocks

Sway blocks must be attached to eliminate all side sway except for contour planting.

Setting the Rockshaft Selector Lever

Set the selector lever in "D" position.

Lift Links

Adjust the lift links for transport clearance and lateral float. See tractor operator's manual.

Front End Weights

Add the necessary front end weights for efficient operation and safety. See tractor operator's manual.

520, 530, 620, 630, 720, OR 730 SERIES TRACTORS**Sway Locks**

Install the sway locks to eliminate side sway except for contour planting.

Load Control Yoke

Install the upper link in hole No. 3 of the load control yoke.

Front End Weights

Add the necessary front end weights for efficient operation and safety. See tractor operator's manual.

ATTACHING TOOLBAR TO TRACTOR

Attach the toolbar mounting brackets to the hitch draft links and secure each side with quick-lock pin. When using the 500 toolbar position the toolbar mast and secure it to the hitch center link.

ROW SPACING

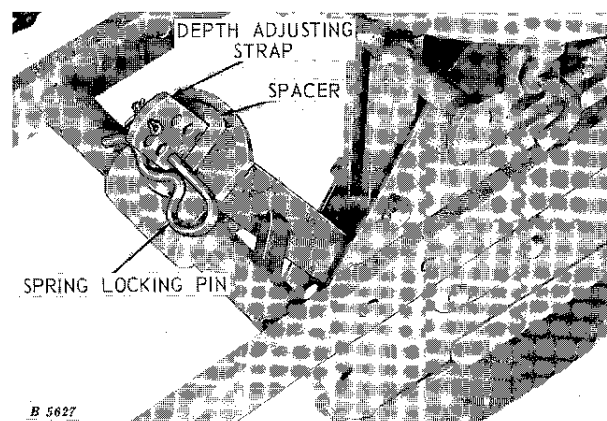
Set the tractor wheel tread (center to center of tires) twice the planter row spacing.

When two or more units are mounted on the same toolbar the maximum row spacing will be limited only by the length of the toolbar and po-

sition of the attaching parts. Minimum row spacings are dependent upon the following combinations: (1) with clamps on inside of parallel arms and without spring pressure attachment, minimum row spacing is 20 inches; (2) with clamps on outside of parallel arms, minimum row spacing is 24 inches.

DEPTH OF PLANTING

The planting depth of the planting unit is gauged by the planter press wheel except when using a gauge shoe or V-Wing.



When the press wheel is used for gauging depth, the planting depth of each unit is determined by the setting of the spring locking pin in the depth adjusting strap. To change the planting depth move the pin up to increase the depth or down to decrease the depth.

Each hole in the depth adjustment strap represents a change of approximately 1/2 inch in the planting depth. To increase the planting depth by 1/4 inch remove the spacer from under the locking pin.

Adjust all units to plant at the same depth.

When V-Wings or gauge shoes are used, the depth of planting depends upon the position of each V-Wing or gauge shoe in relation to the planter runner.

6 Operation

LEVELING PLANTER

The 44W Unit Planter is leveled by adjusting the center link of the 3-point hitch of the tractor.

The top edge of runner of the planting units must be parallel to the ground when the toolbar is lowered to the operating position.

RAISING AND LOWERING PLANTER

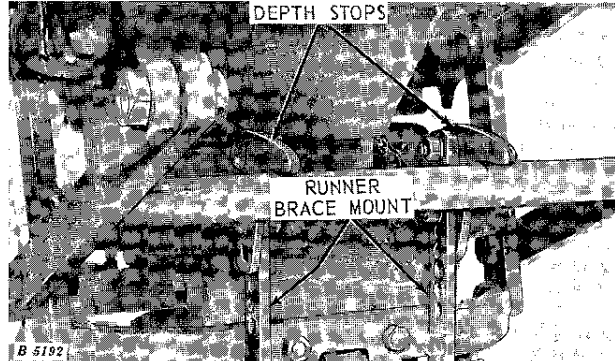
The planting unit is raised or lowered with the rear-mounted toolbar by the tractor hydraulic system.

ADJUSTING SPEED OF ROCKSHAFT DROP

Set the speed of the rockshaft drop on tractor on which the rockshaft and implement drop can be regulated. Adjust the throttle valve to give a smooth slow drop of the planter.

TRANSPORTING

To transport the 44W Unit Planter raise the hitch on the tractor.



Additional transport clearance can be obtained by lowering the depth stops on the runner brace mount.

Do not transport the planter faster than 10 miles per hour on a smooth surface road. Reduce speed when traveling over rough ground.

When transporting the 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 safety lights and devices are available from your John Deere dealer.

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