

# 445 TOOLBAR FERTILIZER UNIT



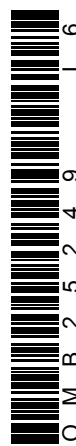
## OPERATORS MANUAL

### 445 TOOLBAR FERTILIZER UNIT

OMB25249 L6 English

**OMB25249 L6**

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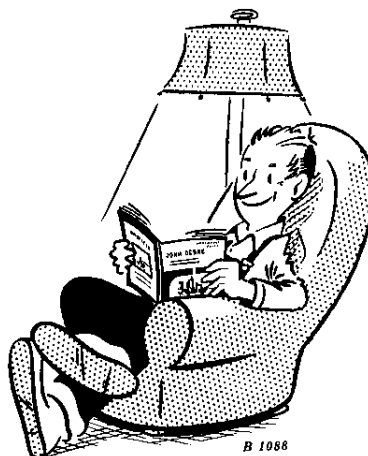
## TO THE PURCHASER

Your new fertilizer unit 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 of your new fertilizer unit.

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 unit and facing the direction of travel.



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

**IMPORTANT:** Proper lubrication is required to keep your machine in good working condition and to guard against excessive wear, breakage, or hard driving. See page 14 for Lubrication Chart

### 445 TOOLBAR FERTILIZER UNIT

Date Purchased \_\_\_\_\_

#### FERTILIZER UNIT

##### Runner Openers

For 23R Planters . . . . . ☐

For 24B and 25B Planters . . . . . ☐

For 71 Flexi-Planters . . . . . ☐

##### Double Disk Openers

For 24B and 25B Planters . . . . . ☐

For 71 Flexi-Planters . . . . . ☐

#### SIDE DRESSER

Runner Openers . . . . . ☐

Double Disk Openers . . . . . ☐



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## SPECIFICATIONS

**TYPES** — The 445 Toolbar Fertilizer Unit can be mounted on any 1-3/4 inch to 2-1/4 inch square toolbar and used to apply fertilizer when planting with a John Deere 23R, 24B, or 25B Unit Planter, or a 71 Flexi-Planter; it may also be used to side dress the growing crop during cultivation.

**DRIVE** — Independent ground wheel drive.

**HOPPERS** — Two auger feed type hoppers. Capacity of each hopper 360 pounds (approximate).

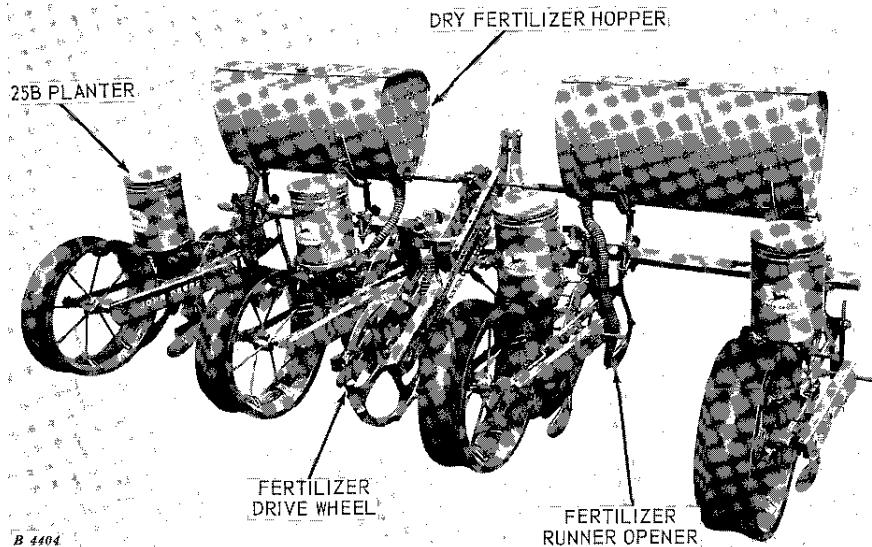
**FEED** — Auger feed.

**AUGERS** — Four different auger options for applying from 45 to approximately 1100 pounds per acre in 40-inch rows.

**FERTILIZER RUNNER OPENERS** — Available for 23R, 24B or 25B Unit Planter, 71 Flexi-Planter, or as a side dresser.

**FERTILIZER DOUBLE-DISK OPENERS** — Available for 24B or 25B Unit Planter, 71 Flexi-Planter, or as a side dresser.

(Specifications and design subject to change without notice.)



*John Deere 445 Toolbar Fertilizer Unit with Four 25B Unit Planters*



# OPERATION

## PREPARING THE TRACTOR

### ALL TRACTORS

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

#### *Rear Wheel Tread*

When 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.

### 2010 OR 2020 SERIES TRACTORS

#### *Belt Pulley*

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

#### *Sway Blocks*

For normal planting, set sway blocks in the wide position to eliminate all side sway. For contour planting set sway blocks to eliminate sway only when planter is raised.

#### *Rockshaft Lift Arms*

Adjust tractor hydraulic system so integral cylinders are parallel

and the lift arms operate together. See tractor operator's manual.

#### *Setting the Selector Lever*

Set the selector lever in the "D" position.

#### *Lift Links*

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

#### *Front End Weighting*

Front end stability 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 the 2010 and 2020 Series Tractors when a No. 500-D Rear-Mounted Toolbar is used with the 445 Fertilizer Unit and a 23R 4-Row Unit Planter.

Tractor	RU (Lbs.)	HU (Lbs.)
1020 Series	700	550
2020 Series	450	300

For other tractor, toolbar, and planter combinations add front end weight as required for efficient operation and safety.

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