

23C UNIT PLANTER



OPERATORS MANUAL 23C UNIT PLANTER

OMB25424 L7 English

OMB25424 L7

LITHO IN THE U.S.A.
ENGLISH





TO THE PURCHASER

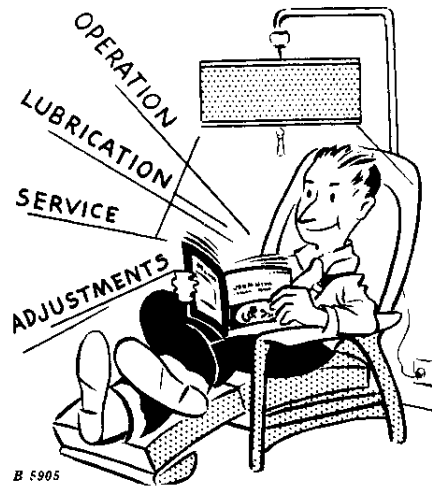
Your new John Deere Unit Planter is sturdy and dependable. It will give long and efficient service if given proper care and operation.

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

IMPORTANT: Proper lubrication is required to keep your planter in good working condition and to guard against excessive wear, breakage, or hard driving. See pages 22 and 23 for Lubrication Chart.



B 5905

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

JOHN DEERE 23C UNIT PLANTER

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

23C Unit Planter	<input type="checkbox"/>	Rubber Press Wheel Tire . . .	<input type="checkbox"/>
Fertilizer Runner Opener . . .	<input type="checkbox"/>	Traction Tread Rubber Press	<input type="checkbox"/>
Fertilizer Single Disk Opener	<input type="checkbox"/>	Wheel Tire	<input type="checkbox"/>
Wheel Band	<input type="checkbox"/>	Insecticide Attachment	<input type="checkbox"/>
Narrow Gauge Shoes	<input type="checkbox"/>	Pea Attachment	<input type="checkbox"/>
Wide Gauge Shoes	<input type="checkbox"/>	Fine Seed Attachment	<input type="checkbox"/>
Double Disk Seed Opener . . .	<input type="checkbox"/>	Brush Cutoff and Baffle Plate	<input type="checkbox"/>
Cole Hopper Adapter	<input type="checkbox"/>	Shelled Peanut Attachment w/	<input type="checkbox"/>
Seed Packer Wheel	<input type="checkbox"/>	Aluminum Cutoff	<input type="checkbox"/>
Stabilizer Bar	<input type="checkbox"/>	Extra Small Shelled Peanut At-	<input type="checkbox"/>
		achment	<input type="checkbox"/>
		Unshelled Peanut Attachment	<input type="checkbox"/>
		Four Row Marker	<input type="checkbox"/>
		Date Purchased	<input type="checkbox"/>



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SPECIFICATIONS

TYPE - Two- or four-row cotton and corn unit planter which attaches to any John Deere RR2 or 4260 series rear-mounted, two-row cultivator, or any John Deere RR4, RO4, or 4650 series rear-mounted, four-row cultivator.

ROW SPACING - Two-Row—28 through 42 inches with or without dry fertilizer attachment. Four-Row—28 through 42 inches without dry fertilizer attachment; 32 through 42 inches with dry fertilizer attachment.

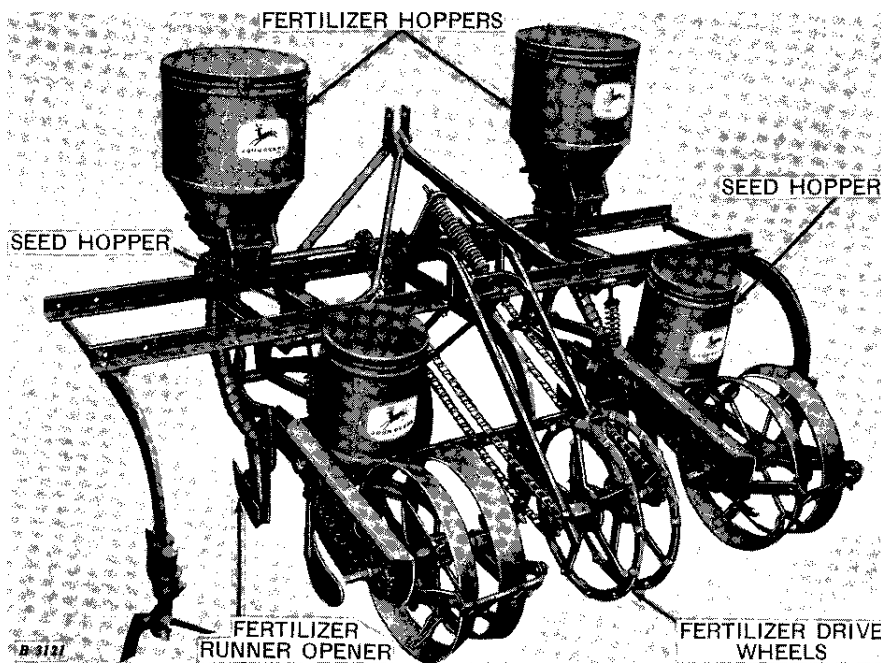
TYPE OF DRIVE - Sprocket and chain from the press wheel axle.

SEED HOPPER CAPACITY - 1/2-bushel, regular; 3/4-bushel, optional.

PRESS WHEEL - 18-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 or gauge shoe. Spring pressure is built into each unit to aid in penetration in firm ground.

FOUR-ROW MARKER - Used with four 23C Unit Planters mounted on a RR4, RO4 or 4650 cultivator and using a wide front end tractor. The markers are adjustable for row spacings from 28 to 40 inches.



23C Unit Cotton and Corn Planter with Dry Fertilizer Attachment Mounted on a John Deere RR2 Two-Row Cultivator

GAUGE SHOES - Wide or narrow gauge shoes available for maintaining accurate planting depth in loose soil conditions.

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

COLE HOPPER ADAPTER - Available for mounting a Cole Hopper on the planter.

DOUBLE DISK SEED OPENER - Available for use in trashy conditions and for better penetration in hard ground.

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

SHELLED PEANUT ATTACHMENT WITH ALUMINUM CUTOFF - Used for planting shelled peanuts.

EXTRA SMALL SHELLED PEANUT ATTACHMENT - Used for planting small peanuts that run 850 or more peanuts per pound.

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

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

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

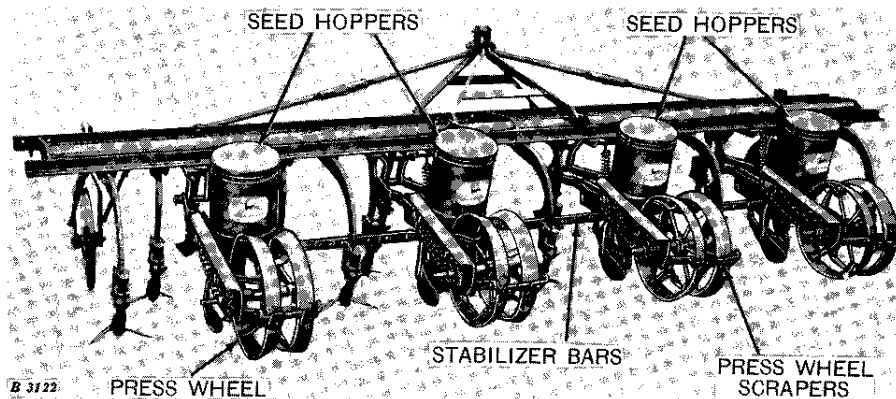
SEED PACKER WHEEL - Will press the seed against the moist soil in the bottom of the furrow. Recommended for use in dry soils. It is not recommended for loose soils such as peat, or wet, sticky soils.

STABILIZER BARS - Will prevent row width variations.

DRY FERTILIZER ATTACHMENT - The dry fertilizer attachment mounts on the front of the cultivator. The hoppers are driven by fertilizer ground wheels. The fertilizer attachment is designed so that the planting units can be removed from the cultivator and the fertilizer attachment used for side dressing.

FERTILIZER OPENERS - Runner or single disk openers are available for side placement of fertilizer, level with or below the seed.

(Specifications and design subject to change without notice.)



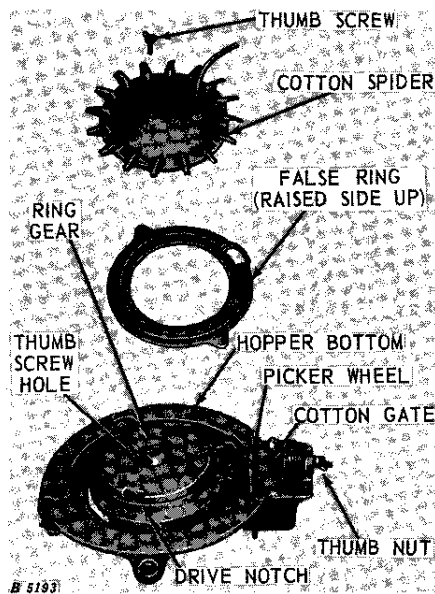
23C Unit Cotton and Corn Planters Mounted on a John Deere RR4 Four-Row Cultivator



OPERATION

PREPARING THE PLANTER

TO PLANT LINT COTTON



When using the 23C Planter to plant lint cotton, remove the corn cutoff from the hopper by unscrewing the thumb screw which holds it in place.

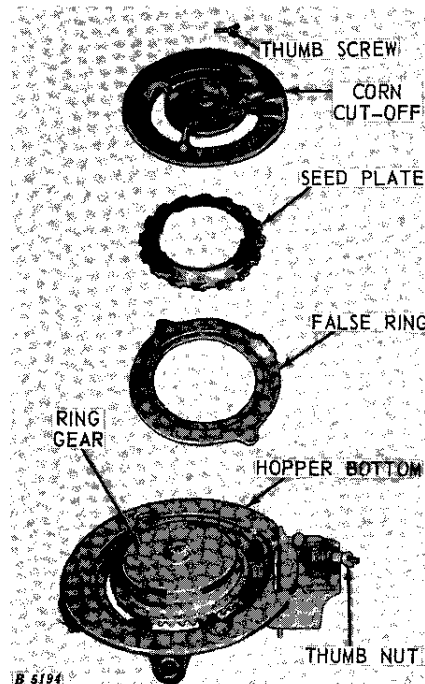
Place the false ring in hopper with the raised side up.

Install the cotton spider and hold it in place with the thumb screw. The hole in the cotton spider is off to one side of center and lines up with the thumb screw hole in the hopper bot-

tom. The drive lugs on the cotton spider must engage the drive notches on the hopper bottom.

The quantity of cotton planted is regulated by the cotton gate. To increase the quantity of seed planted, turn the thumb nut to the right which will open the cotton gate. To decrease the quantity of seed planted, turn the thumb nut to the left.

TO PLANT CORN AND ALL OTHER SEED EXCEPT LINT COTTON



Remove the cotton spider.

Install false ring with **raised side up** when planting small seed such as: feterita, sorghum, etc. If corn or other large seeds are to be planted, install the false ring with **flat side up**.

NOTE: Some seed plates require special false rings. See seed plate chart, page 6.

Install seed plate.

Install corn cutoff and fasten in place with the thumb screw. The cutoff must fit tightly against the false ring.

SELECTING SEED PLATES

The selection of the seed plates is one of the most important steps in preparing the planter for the field.

There is a great variety of John Deere seed plates available in various cell sizes and number of cells.

Growing conditions change from year to year, and the size of the seed will also vary. Therefore, it is quite likely that different seed plates are required to plant the same variety of seed from year to year.

There are two ways to select seed plates. One is to follow the recommendation of the seed supplier, if available, and the other is to take a sample of the seed to be planted to a John Deere dealer and let him recommend the seed plates.

The following is a list of the most popular corn plates available with 12, 16, and 24 cells:

Plates for Flat Kernels of Corn			
12-Cell	16-Cell	24-Cell	Kind of Corn
.....	H697B	B30070	Extra Small Corn
H966B	H694B	H1302B	Small Corn
.....	H1572B	H2711B	Small Slender Corn
H948B	H695B	H950B	Medium Corn
.....	H2156B	H2594B	Long Thick Corn
.....	H696B	H2836B	Large Corn
.....	H2504B	H2848B	Medium Flat Slurry Treated Corn
.....	H2503B	H2847B	Large Flat Slurry Treated Corn
.....	B12498B	.....	Extra Large Flat Slurry Treated Corn

Plates for Round Kernels of Corn			
12-Cell	16-Cell	24-Cell	Kind of Corn
.....	H2295B	.....	Extra Small Round Corn
.....	H2043B	H2824B	Small Round Corn
H2560B	H1933B	B10853B	Medium Round Corn
.....	H2044B	H2712B	Large Round Corn
.....	H2820B	.....	Extra Large Round Corn

6 Operation

SELECTING SEED PLATES—Continued

The following is a list of the soybean plates and the edible bean plates:

Plates for Soybeans	
20-Cell	
H1255B	
H2527B	(Use with P1583B Floor Plate.)

Plates for Edible Beans		
16-Cell	20-Cell	24-Cell
H1324B	H1300B	H1301B
H1071B	H954B	H983B
H956B	H1315B	.....
.....	H1258B	.....
.....	H1254B	.....
.....	H1255B	.....
.....	H1084B	.....

The following is a partial list of seed plates which require a special false ring or floor plate, or the regular floor plate turned over:

Seed Plate No.	No. of Cells	Kind of Seed
jH 779B	16	Popcorn
jH 780B	16	Medium Country Gentleman Sweet Corn
jH 961B	16	Spanish Corn and Small Popcorn
jH 963B	16	Large Country Gentleman Sweet Corn
jH 964B	16	Small Sweet Corn, Small Sunflower Seed
jH1238B	16	Medium Shoe Peg Corn
jH1239B	16	Medium Sweet Corn, Large Sunflower Seed
jH1240B	16	Extra Small Country Gentleman Tapered Sweet Corn
kH1262B	16	Cantaloupes and Cucumbers
sH1322B	16	Extra, Extra Small Corn
sH1345B	16	Small Round Corn

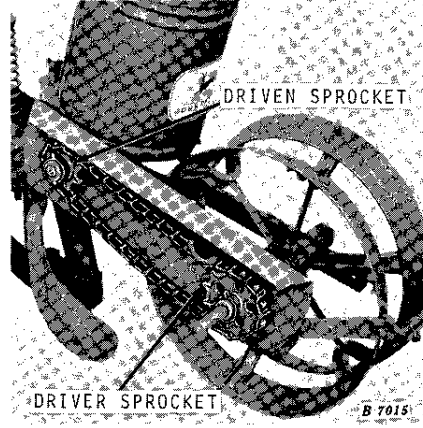
sH1352B	16	Extra Small Narrow Corn
nH1353B	16	Tomato Seed (machined plate)
jH2505B	16	Popcorn
jH2671B	16	Popcorn
jH2709B	16	Popcorn
nB27768	16	Maize and Grain Sorghum
jH 781B	20	Popcorn
pH2527B	20	Soybeans—Heavy Planting
jB27783	24	Acid Delinted Cotton Seed
sH2672B	24	Maize and Grain Sorghum
nH1256B	25	Onion Seed (machined)
nB27769	32	Maize and Grain Sorghum
jH 776B	..	Blank Plate 5/32" Thick (holes can be drilled up to 1/4")
kH1211B	..	Blank Plate 5/32" Thick (cells can be filed in edge)
nH1259B	..	Blank Plate 5/32" Thick (machined)
j Turn P2386B		False Ring Raised Side Up
k		Use with P509B False Ring
n		Use with P671B False Ring
p		Use with P1583B False Ring
s		Use with P2498B False Ring

DRILLING

Twelve different drilling distances can be obtained with one seed plate.

Four sprockets are shipped with each unit. Combinations of these four sprockets between the press wheel and planter drill shaft will give drilling distances as outlined in chart.

NOTE: When using rubber tires on the press wheels the "Drilling Distances" listed in the following charts will be increased approximately 11 per cent and the "Plant Population per Acre," and the "Pounds per Acre" in the soybean and maize charts will be decreased approximately 11 per cent.



Approximate Drilling Distances in Inches									
Cells in Seed Plate			Press Wheel (Driver) Sprocket	Drill Shaft (Driven) Sprocket	Cells in Seed Plate			Press Wheel (Driver) Sprocket	Drill Shaft (Driven) Sprocket
12-Cell	16-Cell	20-Cell			12-Cell	16-Cell	20-Cell		
5.2"	3.9"	3.1"	*18-Tooth	6-Tooth	13.1"	9.8"	7.9"	12-Tooth	10-Tooth
6.2"	4.7"	3.8"	*15-Tooth	6-Tooth	18.8"	14.1"	11.2"	10-Tooth	12-Tooth
7.8"	5.8"	4.7"	12-Tooth	6-Tooth	19.7"	14.6"	11.7"	8-Tooth	10-Tooth
9.5"	7.0"	5.6"	10-Tooth	6-Tooth	20.8"	15.6"	12.5"	6-Tooth	8-Tooth
10.4"	8.0"	6.3"	12-Tooth	8-Tooth	23.7"	17.6"	14.1"	8-Tooth	12-Tooth
11.8"	9.0"	7.0"	8-Tooth	6-Tooth	26.2"	19.6"	15.7"	6-Tooth	10-Tooth
12.5"	9.4"	7.5"	10-Tooth	8-Tooth	31.0"	23.5"	18.8"	6-Tooth	12-Tooth

*Special press wheel (driver) sprocket
 15-tooth—P2918B.
 18-tooth—P2212B.

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