

John Deere

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MODEL:

494A & 495A

Corn Planters

**OPERATOR'S
MANUAL**



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Corn Planters**

MANUAL PREVIEW

OPERATORS MANUAL

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specifications

TYPES—494A Four-Row Hill-Drop Corn Planter.

494A Four-Row Drill Corn Planter.

495A Four-Row Hill-Drop or Drill Corn Planter.

OPENERS—Runner Openers, Regular. 14-Inch Double Disk Openers with white iron or anti-friction bearings.

ROW SPACINGS—Regular 494A Hill-Drop or Drill Planter or 495A Planter - 30, 32, 34, 36, 38, or 40 inches.

Special 494A Hill-Drop or Drill Planter or 495A Planter - 28, 30, 32, 34, 36, 38, or 40 inches.

TYPE OF LIFT—Remote hydraulic cylinder.

TYPE OF DRIVE—Sprocket and chain from ground wheels.

SEED HOPPERS—1-1/5 bushel capacity, with seed gauges, regular.

Special hoppers (smaller diameter) available for 28- or 30-inch row widths.

PRESS WHEELS—18-inch press wheels that can be equipped with scrapers and/or steel press wheel bands, or zero pressure rubber press wheel tires.

MARKERS—Mechanical type—automatically raised, and lowered when planter is raised and lowered. Special markers available for 28-, 30-, or 32-inch row widths.

SPECIAL HYD'ROW MARKERS AVAILABLE—Automatically raised by single-action hydraulic cylinders and lowered when released by the trip rope.

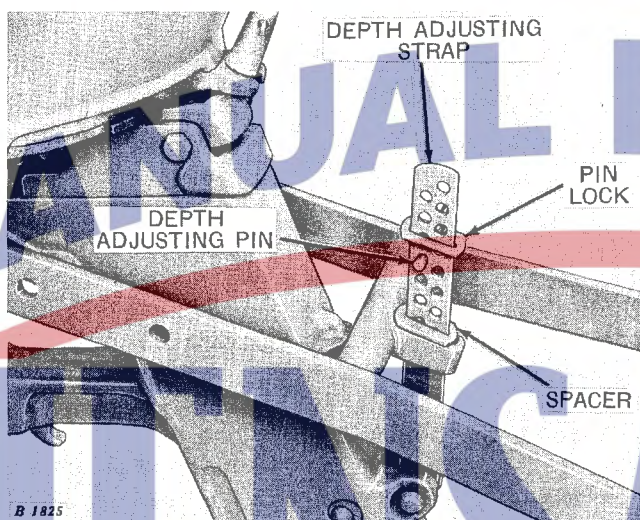
POP-UP FERTILIZER ATTACHMENT—This attachment is used in combination with the regular dry or liquid fertilizer attachment and places the fertilizer directly in the row with the seed.



494A Hill-Drop Corn Planter

Planting depth

The planting depth of the planter is gauged by the planter press wheels and not by the tractor remote hydraulic cylinder. The remote hydraulic cylinder must be fully retracted when planting.



The planting depth of each unit is determined by the setting of the depth adjusting 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. Hold pin in place with the pin lock.

Each hole in the depth adjusting 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.

Always insert the depth adjusting pin and pin lock as illustrated.

Adjust all four units to plant at the same depth.

Each planting unit has a spring which can be adjusted to increase or decrease the downpressure on the planting unit.

If the runner tends to ride out of the ground, raise the planter and move the adjusting bracket down to the next position as shown.

NOTE: Do not attempt to penetrate the plow pan. In hard ground conditions, this could cause the planter drive wheels to raise off the ground.



Adjust all four planting units so the spring pressure is the same on each unit.

NOTE: When operating in the field, lower the planter only when the tractor is moving forward. This will prevent the planter runners from clogging in moist soil conditions.

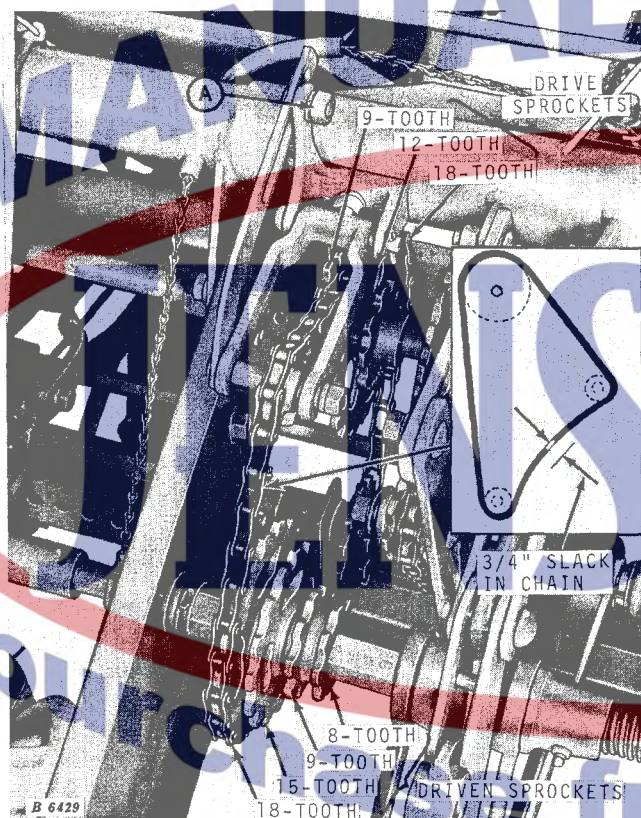


In some field conditions where planter frame must be closer to ground than normal and when there is no additional adjustment in pressure rod, position lift arm in hole "A" in wheel frame.

Dry fertilizer*Rate of application*

The rate of fertilizer application is determined by the type of augers installed in the hoppers, and the drive and driven sprocket combinations.

The hoppers can be equipped with regular, low-rate, or high-rate augers.



To change the sprocket combinations, loosen the chain idler at "A," and remove chain. Slide sprockets on shafts until desired combination lines up with chain idler. Reinstall chain and tighten chain idler. Position the chain idler so there is 3/4-inch slack in drive chain.

The following delivery rates are approximate and will vary with changes in temperature, humidity, and the particular fertilizer being used.

DRY FERTILIZER APPROXIMATE DELIVERY RATES IN POUNDS PER ACRE

*Calculated for 40-inch Row Spacing.

Pounds Per Acre			Drive Sprocket	Driven Sprocket
Type of Auger				
Low	Reg.	High		
37	74	111	9-Tooth	18-Tooth
44	88	133	9-Tooth	15-Tooth
56	111	166	12-Tooth	18-Tooth
66	133	199	12-Tooth	15-Tooth
74	147	221	9-Tooth	9-Tooth
83	166	249	9-Tooth	8-Tooth
100	200	299	18-Tooth	15-Tooth
111	221	332	12-Tooth	9-Tooth
125	249	374	12-Tooth	8-Tooth
166	332	498	18-Tooth	9-Tooth
186	373	559	18-Tooth	8-Tooth

***For:**

- 38" rows multiply above amounts by 1.05
- 36" rows multiply above amounts by 1.11
- 34" rows multiply above amounts by 1.18
- 32" rows multiply above amounts by 1.25
- 30" rows multiply above amounts by 1.33
- 28" rows multiply above amounts by 1.43

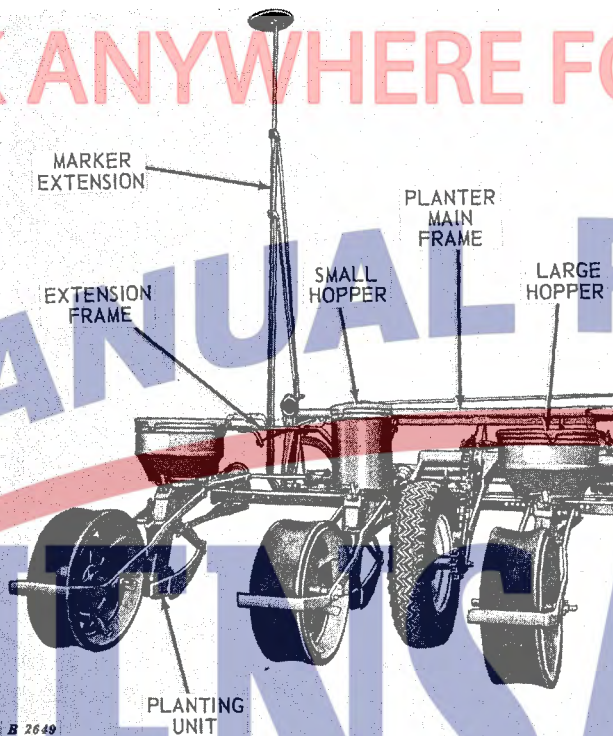
Because the dry fertilizer attachment meters volume and not weight, and because of the differences between the many brands and analysis of fertilizer, the weight metered out can vary as much as 100% from the weight calculated in the above chart.

To check the exact number of pounds of your fertilizer that will actually be delivered for 40-inch row spacing, proceed as follows:

Remove one spout from either fertilizer hopper and attach a sack, or other suitable container, under the opening in the hopper. Engage the fertilizer attachment and drive forward for 130 feet. Weigh the amount of fertilizer caught in the container and multiply that amount by 100. The result will be the pounds of fertilizer delivered per acre when planting in 40-inch rows.

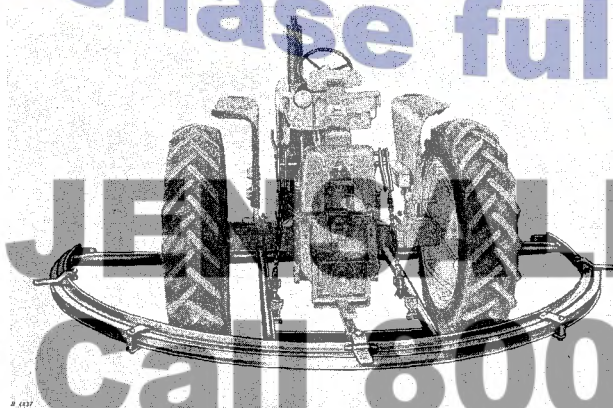
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Six-row planting extension attachment



The six-row planting extension attachment contains the necessary parts to convert the 494A and 495A Planters to a 6-row planter with 28- or 30-inch row spacing. The planting units have the drill type shank. The planting unit may be ordered with runner or double-disk openers.

Eight-row hitch attachment



The eight-row hitch attachment allows two 494A or 495A Planters set for 40-inch row widths to be used together.

Pre-emergence sprayer attachment



The Pre-Emergence Sprayer Attachment is used to apply any liquid chemical form of herbicide in the row at the time of planting. It can be used with or without the liquid or dry fertilizer attachment and also with or without the granular insecticide attachment.

Compaction seed runner



The compaction seed runner will make a wider seed trench which results in a more uniform planting depth and more uniform germination.

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