

JOHN DEERE 82 AND 84 FERTILIZER ATTACHMENTS



OPERATORS MANUAL JOHN DEERE 82 AND 84 FERTILIZER ATTACHMENTS

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ENGLISH



TO THE PURCHASER

Behind your new fertilizer attachment is an organization that has designed and built farm implements for over 125 years. This fertilizer attachment was built in a John Deere factory by experienced men, many who have worked in this large plant for from 10 to 45 years, thus assuring the utmost in good design, high-grade workmanship, and thorough inspection, so essential to the production of good implements.

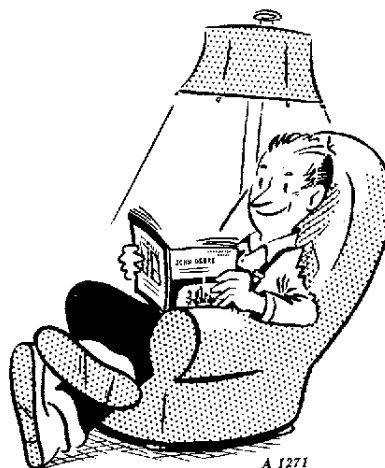
High-quality materials, precision production methods, and accurately-controlled heat-treating assure maximum strength and long life for every part.

This manual has been carefully prepared and illustrated so you may make the necessary adjustments for adapting your fertilizer attachment to work properly with your planting attachment. These adjustments, such as row spacings, amount of spread, etc., are fully covered in this manual.

Occasionally your fertilizer attachment may need new parts to replace worn parts, or require emergency service not covered in this manual. If so, we suggest that you take advantage of the facilities of-

fered by your John Deere dealer, which assure you of genuine John Deere Parts and prompt "know-how" service in the field or in the shop.

If you will furnish your dealer with the information which should be recorded at the bottom of this page, when the fertilizer attachment is delivered, he can give you prompt and efficient service.



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

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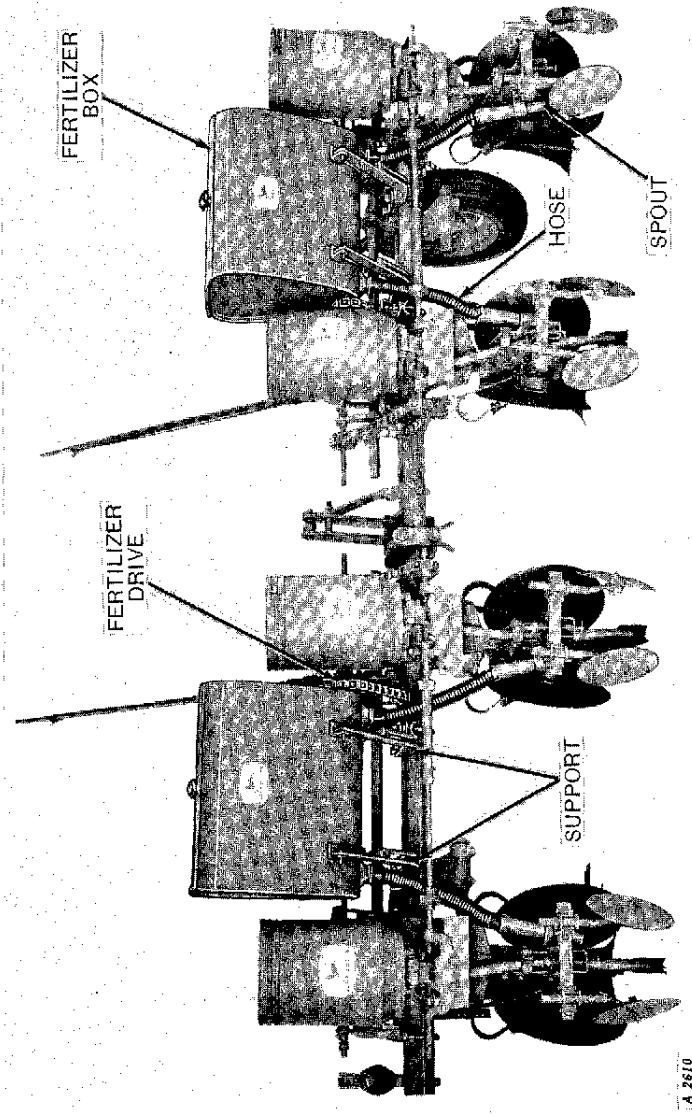
Fertilizer Attachment No.

Date Purchased 19

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John Deere 84 Fertilizer Attachment with PA732 Planting Attachment

SPECIFICATIONS

Types	82 Fertilizer Attachment for 2-row operation with PA300 Series and PA700 Series Planting Attachments on F311 or F871 Bedders.
	84 Fertilizer Attachment for 4-row operation with PA300 Series and PA700 Series Planting Attachments on F871 Bedder.
Drive	82 and 84 Fertilizer Attachments used with PA700 Series Planting Attachments—utilizes the same drive—gauge-wheel or tractor-axle.
	82 Fertilizer Attachment used with PA300 Series Planting Attachments—tractor-axle or gauge-wheel drive using additional necessary parts.
	84 Fertilizer Attachment used with PA300 Series Planting Attachments—gauge-wheel drive using additional necessary parts.
Fertilizer Hoppers..	Auger feed. Approximately 200 pounds capacity. Various delivery rates obtained by changing drive sprockets and/or augers.
Row Spacing	36- to 42-inch rows when used with PA300 or PA700 Series Planting Attachments on F311 or F871 Bedders.

(Specifications and design subject to change without notice.)

NOTE: When the term "right" or "left" is used, it means from a position behind the fertilizer attachment and looking toward the front.

OPERATION

PREPARING THE BEDDER

Refer to your bedder operator's manual for proper use of lift springs, centering bar, gauge wheels, and preparing the tractor.

PREPARING THE PLANTING ATTACHMENT

Refer to your planting attachment operator's manual for complete planting attachment operating instructions.

PREPARING THE FERTILIZER ATTACHMENT

LUBRICATION

Be sure fertilizer attachment has been properly lubricated. See lubrication chart on page 10.

BOLTS AND SET SCREWS

Before starting to work with a new fertilizer attachment or one which has been stored, check to see that all bolts and set screws are tight and all cotter pins are spread to keep them from falling out.

A good practice is to check for loose bolts, screws, or parts when lubricating the fertilizer attachment. Loose bolts are easily lost or cause excessive wear on parts, resulting in possible serious damage to the fertilizer attachment.

Incorrect adjustment results in rapid wear, possible breakage and inefficient operation.

PREPARING AND ADJUSTING THE TRACTOR

Refer to your tractor operator's manual for complete tractor oper-

ating instructions, tire inflation pressures, and use of rear-mounted integral implements.

REAR WHEEL WEIGHTING

In those conditions where it becomes necessary to add weight to the rear wheels, the following information will be helpful.

Power can be lost and tire life cut drastically by excessive wheel slippage. Adding weight also serves to stabilize the tractor for working in rough or hillside fields.

The ideal amount of added weight can be determined by observing the tracks of the rear wheels. When the tractor is pulling its rated load, the soil between the tire lugs should be broken or shifted. If too much weight has been added, the tread marks will be clear and distinct. If too little weight has been added, the tread marks will be entirely obliterated.

Cast-Iron Weights

Where weight in addition to or in place of liquid weight is required, cast-iron weights can be bolted to the rear wheels. This type of weight can be secured from your John Deere dealer.

Liquid Weights

Water and calcium chloride solution is an economical means of adding weight to rear wheels. Calcium chloride is recommended rather than water as it will not freeze. See your tractor operator's manual or your John Deere dealer.

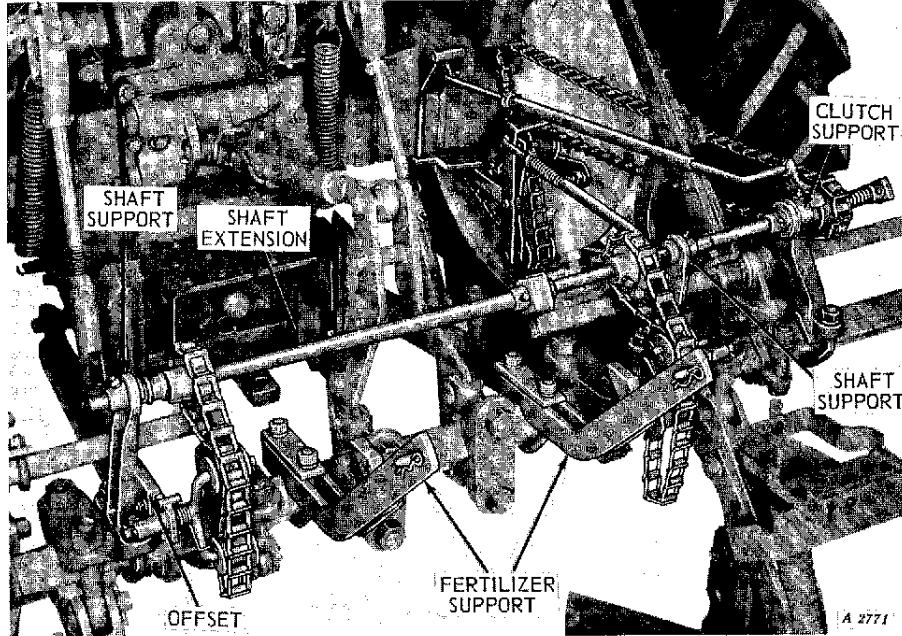
FRONT END WEIGHTING

Front end weighting is necessary to insure proper transport stability. The following table gives the recommended front end weighting when the 82 and 84 Fertilizer Attachments are used:

Tractor	F311 Bedder		F871 Bedder	
	PA300	PA700	PA300	PA700
2010 Row-Crop:				
Single Front Wheel	300	300	NR*	NR*
Dual Front Wheels with Roll-O-Matic	300	300	NR*	NR*
Adjustable Front Axle	300	300	NR*	NR*
2010 Row-Crop Utility:				
Adjustable Front Axle:				
Long Wheel Base	400	400	NR*	NR*
Short Wheel Base	400	400	NR*	NR*
3010 Row-Crop:				
Single Front Wheel	900	900	NR*	NR*
Dual Front Wheels with Roll-O-Matic	800	800	NR*	NR*
Adjustable Front Axle:				
Long Wheel Base	500	500	NR*	NR*
Short Wheel Base	500	500	NR*	NR*
3010 Standard:				
Adjustable Front Axle:				
Long Wheel Base	500	500	NR*	NR*
Short Wheel Base	700	700	NR*	NR*
Fixed Front Axle:				
Long Wheel Base	400	400	NR*	NR*
Short Wheel Base	600	600	NR*	NR*
3010 Row-Crop Utility:				
Adjustable Front Axle:				
Long Wheel Base	400	400	NR*	NR*
Short Wheel Base	500	500	NR*	NR*
Fixed Front Axle:				
Long Wheel Base	300	300	NR*	NR*
Short Wheel Base	400	400	NR*	NR*
4010 Row-Crop:				
Single Front Wheel	NR*	NR*	1100	1100
Dual Front Wheels with Roll-O-Matic	NR*	NR*	1000	1000
Adjustable Front Axle	NR*	NR*	700	700
4010 Standard:				
Adjustable Front Axle:				
Long Wheel Base	NR*	NR*	700	700
Short Wheel Base	NR*	NR*	800	800
Fixed Front Axle:				
Long Wheel Base	NR*	NR*	600	600
Short Wheel Base	NR*	NR*	700	700

*NR — Not recommended.

TRACTOR-AXLE-DRIVEN FERTILIZER ATTACHMENTS



Tractor-Axle Drive for 82 Fertilizer Attachment with PA700 Planting Attachment on F311 Bedder

2-ROW AXLE DRIVE

The 82 2-row Fertilizer Attachment is adaptable to 2-row application with F311 or F871 Bedder equipped with PA300 or PA700 Series Planting Attachments.

The bedder may be operated with or without gauge wheels. When used with gauge wheels set the tractor selector lever in the "D" position. When gauge wheels are not used, set the selector lever in the "LD" position.

A shaft extension (BA10019A) is required in addition to the drive parts furnished when used with PA700 Series Planting Attachments.

4-ROW AXLE DRIVE

The 84 4-row Fertilizer Attachment is adaptable to 4-row application with F871 Bedders equipped with PA300 or PA700 Series Planting Attachments. When used in 4-row operation gauge wheels must be used on the bedder.

ATTACHING DRIVE PARTS

The illustration above shows the arrangement of the tractor-axle drive for a PA700 Series Planting Attachment with 82 Fertilizer Attachment on the F311 Bedder.

The shaft extension, shaft support and chain tightener, furnished with the fertilizer attachment are attached as shown above.

The fertilizer supports must be spaced evenly between the planting units and spaced 15 inches between the supports.

The shaft supports and clutch support must be assembled with the **offset to the rear** when used with F311 Bedder.

When the fertilizer attachment is used on the F871 Bedder, the shaft supports and clutch support must be assembled with the **offset to the front**.

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