# John Deere 4220 Series Row-Crop Cultivator For Model "40" Tractor with Adjustable Front Axle





## **OPERATORS MANUAL**

John Deere 4220 Series Row-Crop Cultivator For Model "40" Tractor with Adjustable Front Axle

OMN231053 J3 English

OMN231053 J3

LITHO IN U.S.A.



#### YOUR NEW CULTIVATOR

Behind your new cultivator is an organization that has designed and built farm implements for over 115 years. This cultivator was built in a John Deere Factory by experienced men, thus assuring the utmost in design, high-grade workmanship, and thorough inspection, so essential to the production of good cultivators.

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 that you may make the necessary adjustments for adapting your cultivator to work properly in all types of field cultivation. These adjustments such as row spacing and proper leveling of shovels or sweeps are fully covered in this manual. Study the manual carefully and make it your guide.

Occasionally your cultivator may need new parts to replace worn parts or emergency service may be required that is not covered in this manual. If so, we suggest that you take advantage of the facilities offered by your John Deere dealer; which assures you of genuine John Deere parts or other prompt "know-how" service in the field or shop.

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

JOHN DEERE 4220 SERIES ROW-CROP CULTIVATOR
No. of Cultivator
Date Purchased
(To be filled in by Purchaser)

## TABLE OF CONTENTS

	Page
IDENTIFICATION OF CULTIVATOR PARTS	2-3
SPECIFICATIONS	4
OPERATION	5-19
Preparing the Tractor	5
Rockshaft Lift Arms	6
Lifting Pipe	7
Leveling Front Rigs	7
Tilting Front Rigs	8
Rig Clamp	8
Adjusting Crossarms	9
Leveling Shovels or Sweeps	10
Adjusting Shank Vertically	10
Leveling Sweep Wings	10
Spring Trips	11
Attaching Cultivator	12-15
Detaching Cultivator	16–17
Row Spacing	18
Shields	19
EXTRA EQUIPMENT	20-21
Disk Hillers	20
Knife Attachment	20
Rear Rig Sections	21
MAINTENANCE SUGGESTIONS	22
Shovels and Sweeps	22
Sharpening Shovels and Sweeps	22
Lubrication	22
Rigs	22
Tractor Tire Inflation Pressures	22
ASSEMBLY	23-49
General Instructions	23
Overhead View of Cultivators and Shipping Bundles	24-37
Extra Shipping Bundles	38
Setting Tractor Rear Wheels	39
Attaching Plate and Frame	40
Quik-Tatch Frame	41
Front Rigs	42
Lifting Pipes	43
Rear Rigs	44
Overhead View of 4222 Cultivator	45
Shields	46
Setting the Cultivator Correctly	48–49
DARTS LIST AND ILLUSTRATIONS	50-62

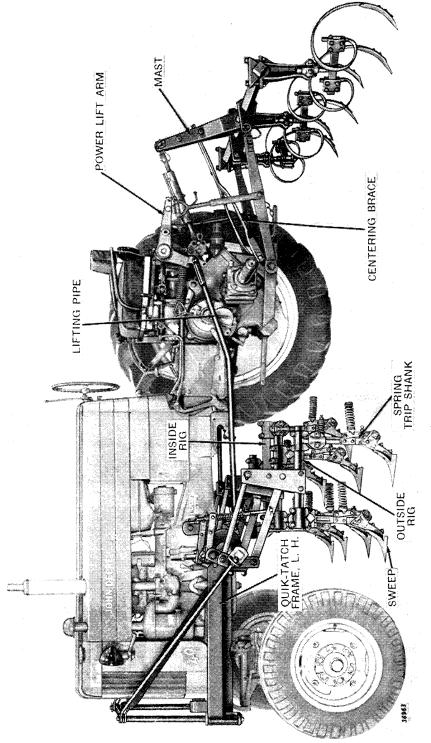


Figure 1—John Deere 4222 Power Lift Row-Crop Cultivator (Tractor Wheel Removed to Show Cultivator Detail)

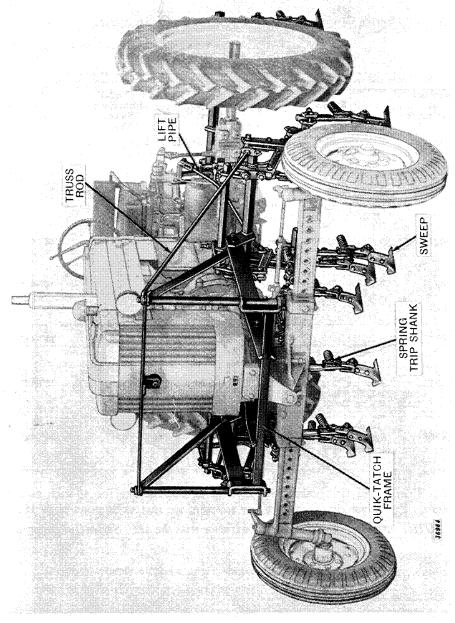


Figure 2—Three-Quarter Left Front View—John Deere 4222 Power Lift Row-Crop Cultivator

## **SPECIFICATIONS**

All 4220 Series Cultivators listed below have four front rigs.

Type of Shanks and Number Used

Number of Cultivator	Front Rigs	Rear Rigs	Total Shovels or Sweeps	Row Spacing
4222	8 Spring Trip 1-3/8" Shanks	(3 Spring Trip 1-3/8" Shanks	11	28"-42"
4223	8 Quik Adj. Spring Trip 1-3/8" Shanks	3 Quik Adj. Spring Trip 1-3/8" Shanks	11	28"-42"
4224	(8 Double Spring Teeth	6 Single Spring Teeth	14	28"-42"
4225	8 Double Spring Teeth	3 Quik Adj. Spring Trip (1-3/8" Shanks	11	28″-42″
4226	8 Single Spring Teeth	6 Single Spring Teeth	14	28"-42"
4227	4 Spring Trip Shanks 1-3/8", 4 Single Spring Teeth	6 Single Spring Teeth	14	28"-42"
4228	8 Spring Trip 1-3/8 Shanks	6 Single Spring Teeth	14	28″–42″

All 4220 Series Cultivators are erected at the factory for 40-inch row spacing. To adjust rigs for other row spacing, see instructions on page 18.

NOTE: Fenders can be used on the tractor with the 4220 Series Cultivators.

### **OPERATION**

The John Deere 4220 Series Cultivator is designed for use with the John Deere Model "40" Tractor.

With the wide variety of clamps, shanks, shovels or sweeps available, the cultivator will do good work in all types of soil and over a wide range of field conditions. The instructions in this manual cover the necessary adjustments for the best field results. A correctly adjusted cultivator pulls easily, penetrates uniformly, and kills weeds properly.

#### PREPARING THE TRACTOR.

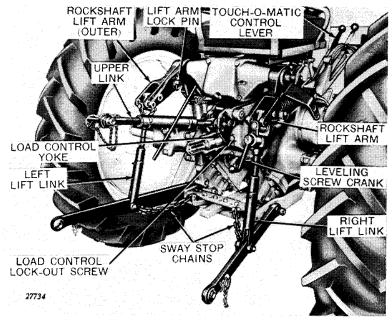


Figure 3

The rear wheels of the tractor should be 48 to 80 inches apart, center to center of tires, depending upon the width of the row.

Pin upper link to center hole in load control yoke. For light draft conditions use bottom hole. The top hole is used for heavy draft conditions.

Turn in load control lock-out screw so load control yoke will operate.

Pin upper end of lift links to inner holes in rockshaft lift arms.

Move the drawbar to the innermost position.

#### ROCKSHAFT LIFT ARMS.

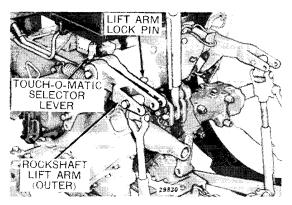


Figure 4—Rockshaft Lift Arms

On Model "40" Tractors the rockshaft lift arms must operate independently.

Shift Touch-O-Matic selector to the rear position as shown. Remove lift arm lock pin so the two cylinders and rockshaft lift arms can be operated as independent units.



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