

# S1 ONE-ROW ROW-CROP CULTIVATOR



JOHN DEERE

## OPERATORS MANUAL S1 ONE-ROW ROW-CROP CULTIVATOR

OMN97570N (01SEP61) English

OMN97570N (01SEP61)

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ENGLISH



## To the purchaser

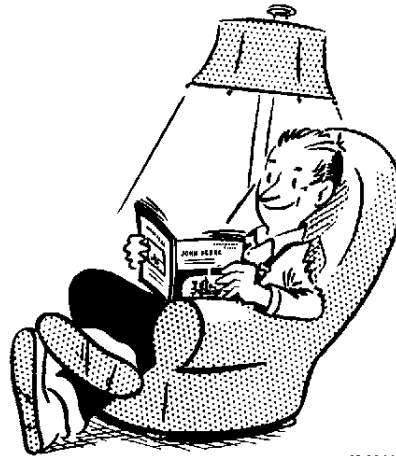
The purpose of this manual is to furnish valuable information about your new John Deere Row-Crop Cultivator. It has been carefully prepared and illustrated. In it, you will find instructions and helpful suggestions for operating, adjusting, attaching, transporting, lubricating and servicing your new cultivator. You will also find instructions for adapting your cultivator to work properly in all types of field cultivation.

Your new cultivator was built to rigid manufacturing standards. Material and workmanship are the best. Precision production methods and accurately controlled heat-treating assure maximum strength and long life for every part.

Keep this manual in a convenient place for quick and easy reference. Study this manual carefully. You have purchased a dependable and sturdy implement, but only by proper care and operation can you expect to receive the service and long life designed and built into it.

Give your cultivator proper attention during slack periods. By doing this, it will always be ready, without delay, when you need it.

Sometime in the future, your cultivator may need new parts to replace those that are worn or broken. If so, go to your John Deere dealer. Provide him with the model number of your cultivator and the date purchased. Record this information in the space provided below, so it will be readily accessible when it is needed.



N 3211

### Location References

Right-hand and left-hand references are determined by standing at the rear of the cultivator and facing in the direction of travel.

#### John Deere S1 One-Row Cultivator

Model Number.....

Date Purchased..... 19.....

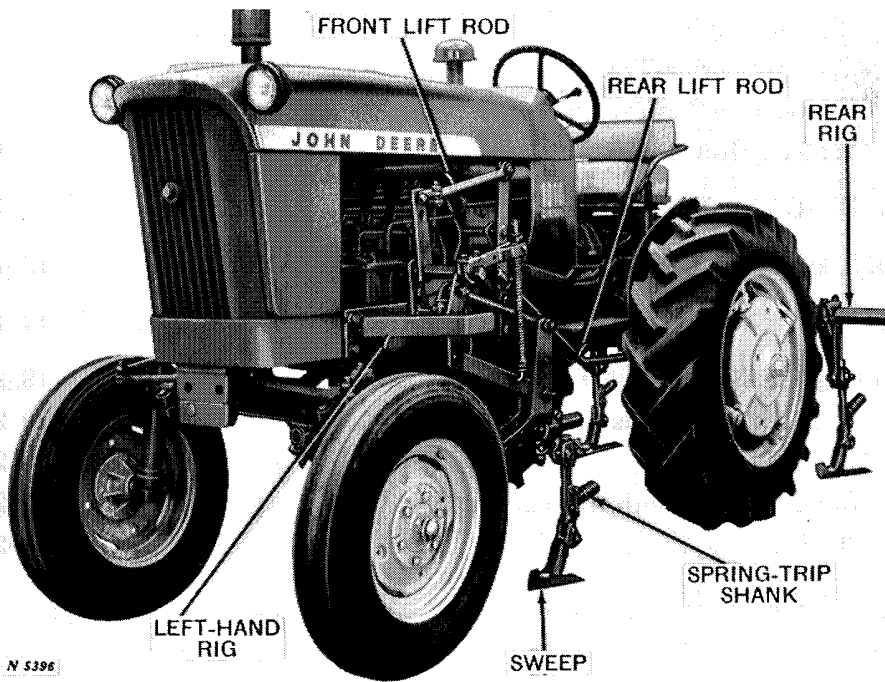
*(To be filled in by Purchaser)*

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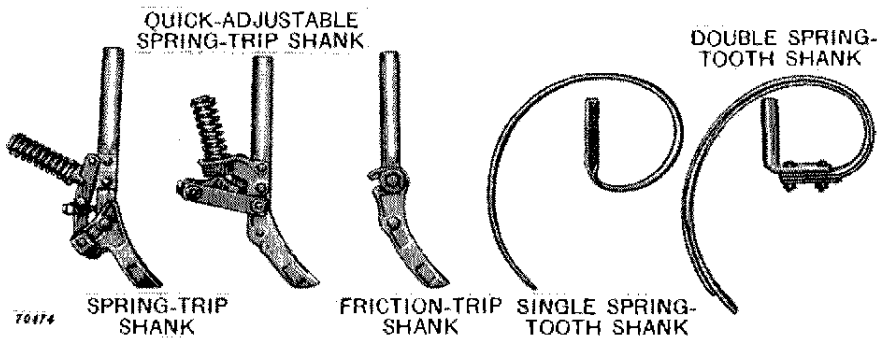
*Right-Hand View of John Deere S1 One-Row Row-Crop Cultivator*



*Left-Hand View of John Deere S1 One-Row Row-Crop Cultivator*

# Specifications

Tractor.....	John Deere 1010 Single Row-Crop with Single or Dual Hydraulic System
Row Spacing.....	36 to 60 inch Rows (Set 40 inches at Factory)
Front Rig Equipment.	RE-22—Four Regular Spring-Trip Shanks and Y786AN Shovels. RE-23—Four Quick-Adjustable Spring-Trip Shanks and Y786AN Shovels. RE-24—Four Single Spring-Tooth Shanks and Y722AN Shovels. RE-25—Four Double Spring-Tooth Shanks and Y786AN Shovels. RE-26—Four Friction-Trip Shanks and Y786AN Shovels.
Rear Rig Equipment..	90 Series Rear Rigs—Tool Bar Type 92 Rear Rig Section has 2 Regular Spring-Trip Shanks with 10-Inch Sweeps 93 Rear Rig Section has 2 Quick-Adjustable Spring-Trip Shanks with 10-Inch Sweeps 98 Rear Rig Section has 2 Stub-Beam Shank Standards with 4 Single Spring-Tooth Shanks
Extra Equipment.....	Plant Shields (Rig Mounted) Disk Hillers (12, 14, or 16 Inches) No. 21 Spring-Tooth Attachment Sweeps and Shovels in a variety of shapes and sizes.

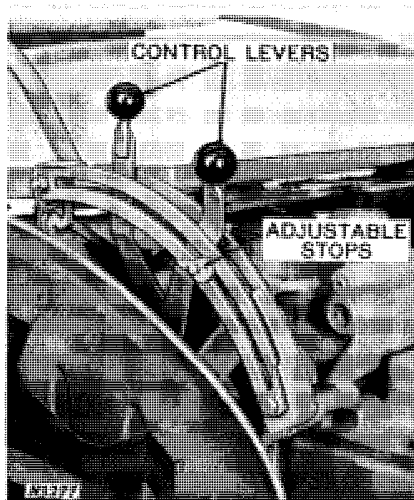


*(Specifications and design subject to change without notice)*

# Operation

## Controls

### Dual hydraulic system

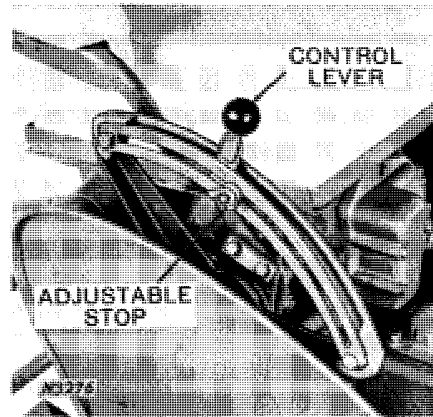


The S1 Cultivator on a John Deere 1010 Tractor with dual hydraulic system is controlled by the control levers on the tractor.

To operate the front rigs independent of the rear rigs, set the tractor hydraulic system for independent lift arm operation. The inner lever controls the front rigs and the outer lever controls the rear rigs. See your tractor operator's manual.

If it is desired to have the front and rear rigs operate simultaneously, set the tractor hydraulic system for parallel lift arm operation. Use the right-hand or outer control lever to control the cultivator. See your tractor operator's manual.

### Single hydraulic system

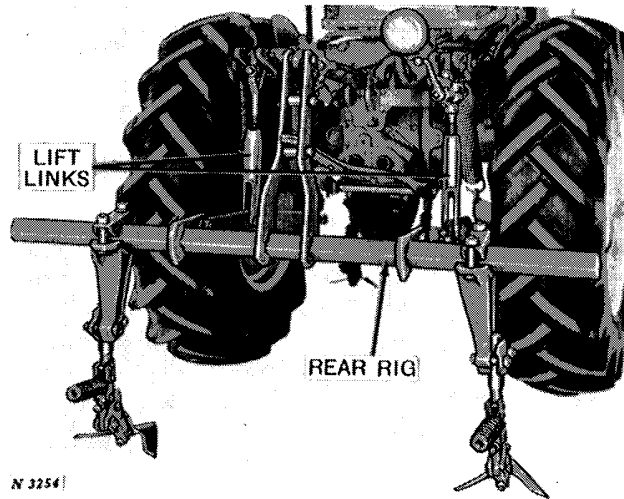


The S1 Cultivator on a John Deere 1010 Tractor with single hydraulic system, is controlled by the control lever on the tractor. Moving the control lever rearward raises both cultivator rigs while moving the lever forward lowers the rigs. See your tractor operator's manual.

### Working depth

The working depth of the cultivator is determined by the position of the hydraulic control levers on the tractor and the length of the 3-point hitch lift links. Use the adjustable stops on the hydraulic control lever quadrant to limit the working depth.

## Rear Rig



The rear rig is operated by the tractor rockshaft and controlled by the hydraulic control lever on the tractor.

On tractors with a dual hydraulic system set for independent lift arm operation use the adjustable stop on the outer control lever to set the working depth of the rear rig. Adjust the lift links so the rear rig is level. Also adjust the upper link until the sweep shanks are vertical.

On tractors with single hydraulic system or with dual hydraulic system set for parallel lift arm operation the working depth of the rear rig is controlled by the length of the 3-point hitch lift links. After the working depth of the front rigs has been established, lengthen or shorten the lift links as required to secure the desired working depth of the rear rig. Adjust links so the rear rig is level.

**A Careful Operator  
IS THE BEST INSURANCE  
AGAINST AN ACCIDENT**

*—National Safety Council*

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