

JOHN DEERE FM FOUR-, SIX-, EIGHT-, AND TWELVE- ROW SERIES ROW-CROP CULTIVATORS



JOHN DEERE

OPERATORS MANUAL

JOHN DEERE FM FOUR-, SIX-, EIGHT-, AND
TWELVE- ROW SERIES ROW-CROP
CULTIVATORS

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LITHO IN THE U.S.A.
ENGLISH





To the Purchaser

This new cultivator was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it is operation, lubrication, or adjustments. Read the Table of Contents to learn where each section is located.

In addition to the equipment furnished with your cultivator, attachments are available to help you do a better job in special crop conditions. These are described in the attachments section of this manual and can be purchased from your John Deere dealer.

"Right-hand" and "left-hand" sides are determined by facing in the direction the cultivator will travel when in field use.

Record your cultivator serial number in the space provided on page 60. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments. If your cultivator requires replacement parts, go to your John Deere dealer where you can obtain genuine John Deere parts—accept no substitutes.

The warranty on this cultivator appears on your copy of the purchase order which you should have received from your dealer when you purchased the cultivator.

This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

JOHN DEERE FM SERIES FRONT-MOUNTED CULTIVATORS

PREDELIVERY CHECK LIST

- Frame is level and rigs are set at correct height. See page 13, 52 and 53.
- Row spacing of rigs is correct for row widths to be cultivated. See pages 20 through 26.
- Shovels or sweeps are set correctly. See pages 17 and 18.
- Rigs have been lubricated and work freely. See page 14 and 44.
- Attachments ordered with cultivator are properly installed. See pages 33 through 43.
- Rig gauge wheels assembled and set in correct position. See pages 14, 21-26, 39, 40, 55 and 56.
- Clamps, shanks and crossarms positioned in correct location. See pages 20 through 26.
- All attaching hardware tight, cotter pins spread.

Signed

Date

OWNER REGISTER

Cultivator Model
 Serial No.
 Name
 R.R. No.
 Post Office
 State Zip.....

DELIVERY CHECK LIST

At the time of delivery, important information should be conveyed directly to the customer. Check off each item below as it is fully explained to the customer.

- Advise the customer to lubricate the machine as directed in the operator's manual.
- Give the operator's manual to the customer and explain all operating adjustments to him.
- Review with the customer the safety instructions in the operator's manual which he must observe when using this machine.
- When the cultivator is transported on a road or highway at night or during the day, accessory lights and devices should be used for adequate warning to operators of other vehicles. In this regard, tell customer to check local governmental regulations.

Signed

Date

AFTER-SALE CHECK LIST

The following is a suggested list of items to be checked at a dealer-customer mutually agreeable time during the first operating season.

- Check with the customer as to the performance of the cultivator. Make certain he understands the proper operating adjustments.
- If possible, operate the cultivator to see that it is functioning properly.
- Acquaint the customer with any special attachment which will help him to do a better job.
- Go over entire cultivator for loose or missing bolts.
- Check for broken or damaged parts.
- Check to see that all safety shields are in place.
- Check with the customer to ascertain if the recommended periodic lubrication has been performed.
- Review the operator's manual with the customer and stress the importance of proper lubrication and safety precautions.

Date _____

Signed _____

Optional Equipment—Continued

QUANTITY USED

FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM
4	4R	4V	6	6R	6V	8	8R	8V	630	630R	630B	830	830R	1230	1230R	

Front Rig Equipment for Beet and Bean Cultivator

Beet and Bean Bars and Clamps with Quik-Return Spring-Trip Shanks (Regular)

BN 130121	Bars and Clamps, 26"	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
BN 130184	Bar and Clamps, 9"	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
BN 132130	Quik-Return Spring-Trip Shanks	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-

Beet and Bean Bars and Clamps with Quik-Adjustable Spring-Trip Shanks

BN 130121	Bars and Clamps, 26"	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
BN 130184	Bar and Clamps, 9"	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
SC 125 AN	Quik-Adjustable Spring-Trip Shanks	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-

Beet and Bean Bars and Clamps with Friction-Trip Shanks

BN 130121	Bars and Clamps, 26"	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
BN 130184	Bar and Clamps, 9"	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
SC 950 N	Friction-Trip Shanks	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-

Rear Rig Equipment

Toolbar Type Rear Rig for a 3-Point Hitch

BN 130098	Rear Rig Bar	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BN 130733	Shank Standard	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Shanks for Rear Rigs

AN 132130	Quik-Return Spring-Trip Shanks or	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
SC 126 AN	Quick-Adjustable Spring-Trip Shanks or	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SC 689 N	Friction-Trip Shanks or	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16035	Single Spring Tooth	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SC 96 AN	Stub Beams	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Gauge Wheels for Rear Rig (Special)

AN 130058	Rig Gauge Wheel, 4" x 12"	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
BN 130731	Shank	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Attachments

SC 900 N	Rig Mounted Shields	4	-	4	6	-	6	8	-	8	6	-	-	8	-	12	-
BN 60449	Shield Arm Extensions (for SC900N)	-	-	1	-	-	1	-	-	2	2	-	-	2	-	3	-
BN 130648	Hooded Shield	4	-	4	6	-	6	8	-	8	6	-	-	8	-	12	-
BN 130751	Inner Rig Shield Brackets (for BN 130648)	1	-	1	1	-	1	1	-	1	1	-	-	1	-	1	-
BN 130652	U-Bolts (for SC900N and BN130648)	1	1	1	1	1	1	2	2	2	1	1	-	2	2	3	3
BN 130728	Rolling Shield Wheels	1	1	1	2	2	2	3	3	3	2	2	-	3	3	5	5
BN 130736	Rolling Shield Hangers	1	1	1	2	2	2	3	3	3	2	2	-	3	3	5	5
BN 130767	Rolling Shield Wheels, Inner	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1

Attachments—Continued

Shovels and Sweeps for Sweep Cultivators and Rotary Cultivators

Universal Sweeps

N 61100	6-inch
N 61101	8-inch
N 61102	10-inch
N 61103	12-inch
N 61104	14-inch
N 61105	16-inch
N 61106	6-1/2-inch, 3/4 R.H.
N 61107	6-1/2-inch, 3/4 L.H.
N 61108	5-inch, 1/2 R.H.
N 61109	5-inch, 1/2 L.H.
N 130160	18-inch
N 130161	20-inch
N 130162	22-inch
N 130163	24-inch

Blackland Sweeps

Y 845 AN	4-inch
Y 846 AN	6-inch
Y 847 AN	8-inch
Y 848 AN	10-inch
Y 813 AN	12-inch
Y 814 AN	14-inch
Y 827 AN	16-inch
Y 828 AN	18-inch
Y 829 AN	20-inch

Mixed Land Sweeps

Y 901 N	4-inch
Y 802 AN	6-inch
Y 803 AN	8-inch
Y 804 AN	10-inch
Y 805 AN	12-inch
Y 806 AN	14-inch
Y 807 AN	16-inch
Y 808 AN	6-1/2-inch, 3/4 R.H.
Y 809 AN	6-1/2-inch, 3/4 L.H.

Peanut Sweeps

N 61116	6-inch
N 61117	8-inch
N 61118	10-inch
N 61119	12-inch
N 61120	14-inch
N 61121	16-inch
N 61122	18-inch
N 61123	20-inch

General Purpose Sweeps

Y 860 AN	6-inch
Y 986 N	4-1/2-inch, 1/2 R.H.
Y 987 N	4-1/2-inch, 1/2 L.H.

Solid Sweeps

Y 833 AN	12-inch
Y 835 AN	16-inch
Y 837 AN	20-inch

Double Pointed Shovels

Y 921 AN	1-1/2 x 11-inch
Y 763 AN	2 x 11-inch
N 130153	2 x 11-inch (Hard Faced)
Y 474 AN	2-3/4 x 10-3/4-inch
Y 980 N	3 x 11-inch

Single Pointed Shovels

Y 794 AN	3-1/4 x 7-inch
Y 900 N	5-1/2 x 7-3/4-inch
N 130143	5-1/2 x 7-3/4-inch (Hard Faced)
Y 786 N	5-1/2 x 7-3/4-inch

Opening Shovel

Y 989 N	8 x 10-inch
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Furrow Openers

Y 634 AN	11 x 8-inch
Y 635 AN	13 x 8-inch
Y 924 N	11 x 8-inch
Y 925 N	13 x 8-1/2-inch
Y 926 N	16 x 11-inch

Beet and Bean Cultivator Tools

MD 465 DN	Standard for Weeding and Bed Knives (Long Offset)
N 133168	Standard for Sweep and Shovels (Regular Straight)
N 133169	Standard for Sweep and Shovels (Regular Curved)
N 130623	Standard for Sweep and Shovels (Long Straight)
N 130625	Standard for Sweeps and Shovels (Long Curved)
MD 702 DB	Standard for Sweep and shovels (Long Curved)
N 130621	Standard for Sweep and Shovels (Regular Offset)
M 1916 DN	Standard for Disk Weeders (Regular Offset)
M 1917 DN	Standard for Disk Weeders (Long Offset)
MD 689 DN	Spring-Trip Shanks (Straight)
MD 688 DN	Spring-Trip Shanks (Curved)
MD 703 DN	Spearpoint (Regular)
MD 341 DN	Spearpoint (Long)
MD 528 DN	Spearpoint (High)
MD 377 DN	Disk Weeder 9" R.H.
MD 378 DN	Disk Weeder 9" L.H.
MD 61 R	Disk Weeder 11" R.H.
MD 61 L	Disk Weeder 11" L.H.
AN 130086	Disk Weeder 11" R.H. Anti-Friction
AN 130087	Disk Weeder 11" L.H. Anti-Friction

Duckfoot Sweeps

N 130102	6-inch
N 130103	8-inch
N 130104	10-inch
N 130105	12-inch

Flat Sweeps

M 2334 DN	6-inch
M 2335 DN	8-inch
M 2336 DN	10-inch
M 2337 DN	12-inch

Double Pointed Shovels

M 403 BN	1-1/4-inch x 8-1/4-inch
Y 777 AN	2-1/4-inch x 9-inch

Irrigating Shovels

M 588 BN	6-inch
M 589 BN	7-inch

Round-Turn Knives

M 2324 DN	6-inch L.H.
M 2325 DN	6-inch R.H.
M 2333 DN	8-inch R.H.
M 2332 DN	8-inch L.H.
Y 982 N	10-inch R.H.
Y 983 N	10-inch L.H.

Square-Turn Knives

M 2320 DN	6-inch R.H.
M 2321 DN	6-inch L.H.
M 2340 DN	8-inch R.H.
M 2341 DN	8-inch L.H.

Low-Point Knives

M 2322 DN	6-inch R.H.
M 2323 DN	6-inch L.H.
Y 996 N	8-inch R.H.
Y 997 N	8-inch L.H.

Bed Knives

M 1617 DN	6-inch R.H.
M 1618 DN	6-inch L.H.



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