

34 AND 40 SPREADERS



OPERATORS MANUAL 34 AND 40 SPREADERS

OME51471 F1 English

WELLAND WORKS
OME51471 F1

LITHO IN THE U.S.A.
ENGLISH





To the Purchaser

Your new spreader 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 service. Read the Table of Contents to learn where each section is located. Use the alphabetical index for fast reference.

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

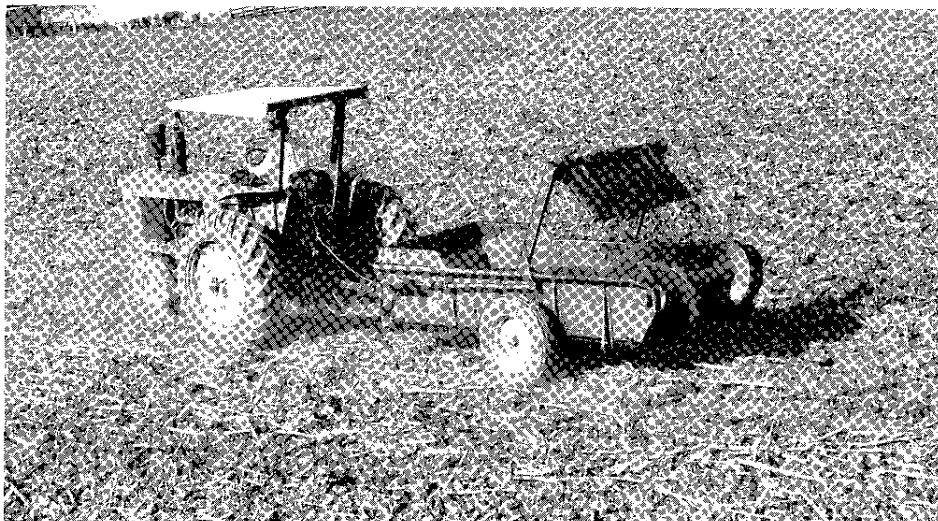


This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

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

Record your spreader serial number in the space provided on page 45. Your dealer needs this information to give you prompt, efficient service when you order parts. If your spreader requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.

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



AFTER-SALE CHECK LIST

It is suggested that the following items be checked during the first 25 to 50 loads, or during the first season's operation of the spreader, whichever occurs first.

- ☐ Go over entire machine for loose or missing bolts.
- ☐ All safety shields are in place.
- ☐ All chains are properly tightened.
- ☐ Spring clutch is properly adjusted.
- ☐ Check for broken or damaged parts.
- ☐ Check shear pin if spreader is equipped with power-seal endgate (attachment).
- ☐ Check to see that the side shaft and PTO spinner shields rotate freely.
- ☐ Check tires for proper inflation.
- ☐ If possible, run the spreader to see if it is functioning properly.
- ☐ Review the entire operator's manual with the customer and stress the importance of proper and regular lubrication and safety precautions. Be sure he understands how to make all proper field adjustments.
- ☐ Advise the customer of the optional attachments that are available for special manure conditions.

.....
(Date Checked)

.....
(Signature)

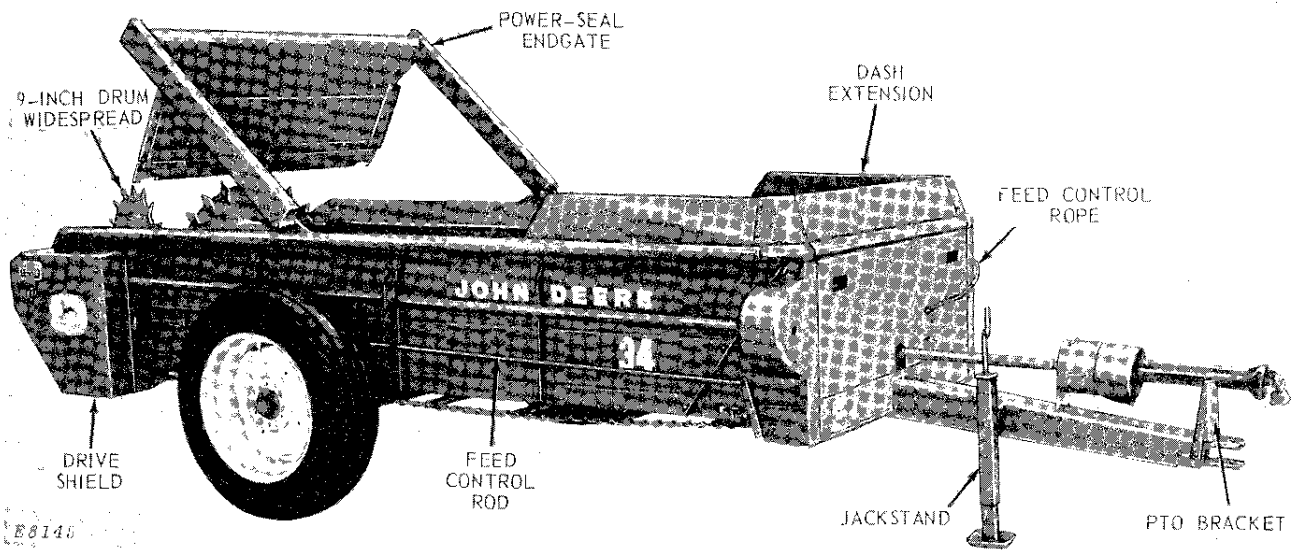
OWNER REGISTER

Name
Post Office
County State
Serial No.
Operator's Manual No.
Date Purchased

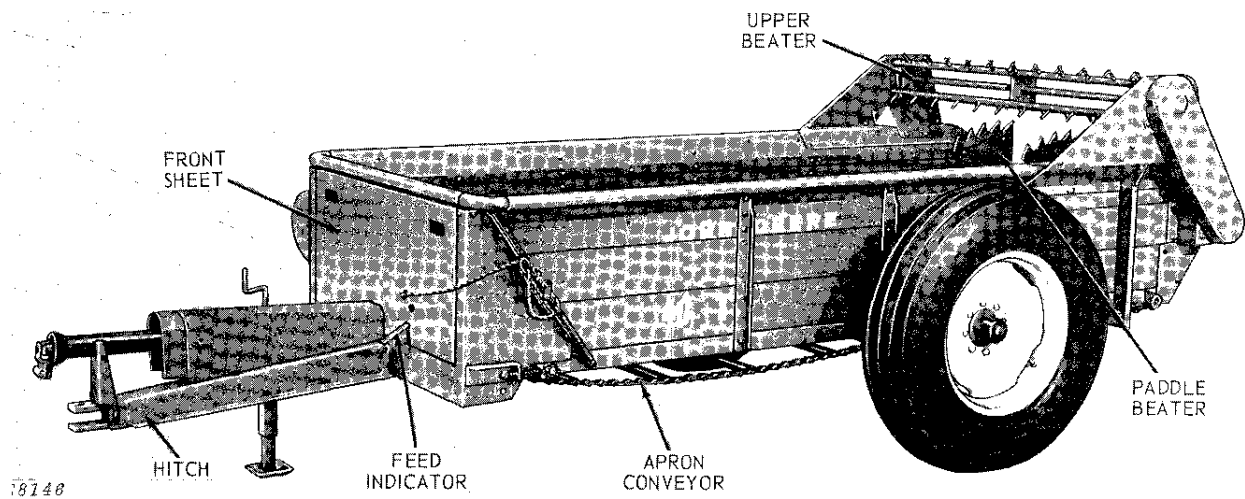


Contents

	Page
IDENTIFICATION VIEWS	2
OPERATION	3
LUBRICATION	12
SERVICE	15
TROUBLE SHOOTING	25
ATTACHMENTS	26
ASSEMBLY	28
SPECIFICATIONS	45
INDEX	46



John Deere 34 Spreader with 9-Inch Drum Beater Widespread and Power-Seal Endgate



John Deere 40 Spreader with Upper Beater and Paddle Beater



Operation

GENERAL INFORMATION

The John Deere 34 and 40 Spreaders are high-capacity, low-profile spreaders that fit under most barn cleaners. These spreaders are similar except for capacity. The 34 Spreader ASAE-rated capacity is 155 cubic feet (formerly 150 bushel) with load 15 inches above paddle beater. The 40 Spreader ASAE-rated capacity is 170 cubic feet (formerly 175 bushel) with load 15 inches above paddle beater.

The spreaders may be equipped for either 540 or 1000 rpm PTO operation which assures constant and even unloading regardless of ground conditions.

Five different control settings, combined with the various tractor operating speeds provide a wide range of spreading rates. All feed changes can be made from the tractor seat with the feed control rope.

The spreader drive train is protected by a spring clutch which eliminates the need for shear pins. If an obstruction prevents the spreader from operating, the clutch will slip with a loud clicking sound.

Three types of beaters are available: a 9- or 18-inch drum beater widespread, or a paddle beater with 12 replaceable paddles. An upper beater also is available as an attachment for use with tough shed manure.

The 18-inch drum beater widespread is designed for manure that has little, if any, bedding. The drum nearly fills the rear of the spreader and prevents soft manure from running out. In many cases, the drum eliminates the need for an endgate.

The 9-inch drum beater widespread plugs some of the gap at the rear of the spreader but still handles strawy, packed manure quickly. It is designed for operations having a variety of spreader requirements from tough manure to soft.

The paddle beater has more teeth than the drum beater widespread and takes deeper bites for shredding and spreading hard, packed, strawy manure in a hurry. Teeth are easy to replace.

The single beater and bed conveyor operate from a single gear case and one roller chain. Two roller chains are used when the upper beater is used.

The beater can be stopped while the bed conveyor continues to clean out the spreader.

Two endgates are available to help contain semi-liquid manure.

The power-seal endgate which operates in front of the beater is operated by the tractor remote hydraulic cylinder. The endgate may be stopped at any height through its range to "meter" semi-liquid manure to the beater.

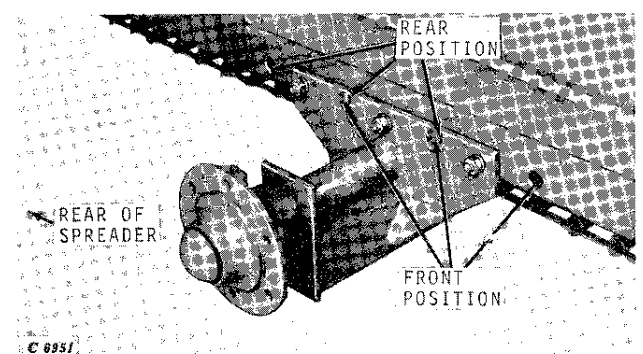
The rear endgate, with door and controls, is recommended when spreading semi-liquid or loose, strawy manure. A rope, conveniently positioned near the tractor seat, opens the endgate door.

The three-position axle allows the operator to vary the weight of the spreader at the hitch point to suit his particular tractor.

PREPARING THE SPREADER

Positioning Axle

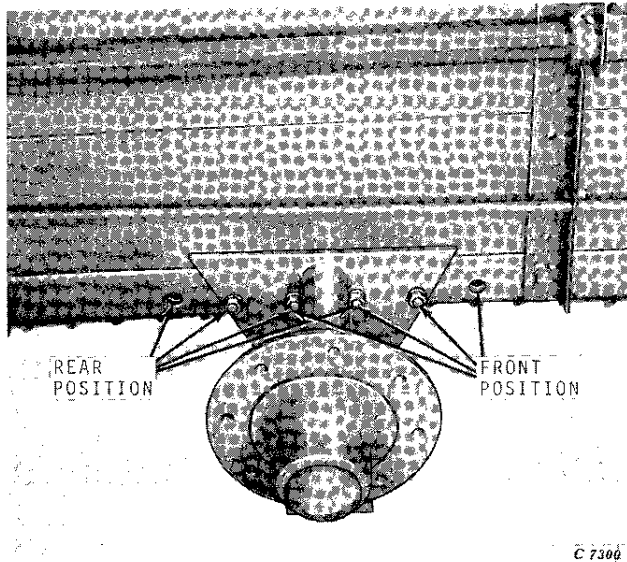
Because of the varying operating and load conditions, three axle positions are available on the spreaders. Moving the axle forward will decrease the spreader weight at the hitch. Moving the axle to the rear will increase the weight at the hitch.



34 Spreader Axle in Center Position

PREPARING THE SPREADER— Continued

Positioning Axle—Continued



40 Spreader Axle in Center Position

The following chart shows the spreader weight at the hitch for each of the three settings:

SPREADER WEIGHT AT HITCH

Axle Position		Empty	Maximum Load
Front	34	170 Lbs.	850 Lbs.
	40	215 Lbs.	900 Lbs.
Center	34	203 Lbs.	1140 Lbs.
	40	235 Lbs.	1140 Lbs.
Rear	34	235 Lbs.	1410 Lbs.
	40	254 Lbs.	1500 Lbs.

For most operating conditions, use the axle in the center position as shown.

To use the rear position, attach the axle to the bed sill at the holes marked "rear position" in the illustrations.

To use the front position, attach the axle to the bed sills at the holes marked "front position" in the illustrations.

NOTES: 1. Be sure the axle mounting brackets are installed in the same set of holes on each side of the bed.

2. Do not use the front axle position when spreader is equipped with upper beater or rear end-gate.

3. Do not use the rear axle position when spreader is used with a John Deere 820, 1020, 1520,

2020, or 2520 Tractor (or any tractor of comparable size).

TIRE INFLATION

The tire sizes listed below are the only sizes recommended for use with these spreaders. Check to be sure tires are inflated according to the chart below.

34 SPREADER TIRE INFLATION

Tire Size	Inflation Pressure
7.50-20, 4-Ply Rating	24 psi
7.50-20, 6-Ply Rating	36 psi
* 9.00-20 (Used)	45 psi

40 SPREADER TIRE INFLATION

Tire Size	Inflation Pressure
11.25-24, 8-Ply Rating Rib Implement Tire (new)	28 psi
* 10 x 20 (Used)	45 psi
* 11 x 20 (Used)	45 psi
* 12 x 20 (Used)	45 psi

* Used truck or bus tires may be installed if they have sound bodies.

PREPARING THE TRACTOR

Tractor Requirements

The 34 Spreader may be used with the John Deere 820, 1020, 1520, 2020, 2520, 3020, 4000, 4020, 4320, 4620, and 5020 Tractors.

The 40 Spreader may be used with the John Deere 2520, 3020, 4000, 4020, 4320, 4620, and 5020 Tractors.

When the spreader is used with the 2510, 2520, or 3010 Tractors, the tractor must be equipped with a 3020 Tractor drawbar. When used with the 4520, 4620, 5010, and 5020 Tractors, the spreader must be equipped with 1000 rpm PTO drive.

Other makes and models of tractors equal in size to the John Deere tractors mentioned above may be used if the drawbar support and drawbar have a 1500-pound minimum static vertical load rating.

CAUTION: Be sure to use a tractor capable of handling your spreader when in hilly country. Always transport your loaded spreader at a slow and safe speed.

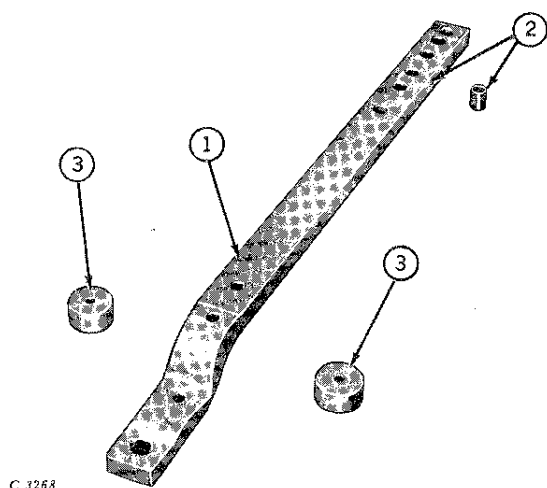
Tractor Control

The spreader is operated by the tractor power take-off. For information concerning proper power take-off operation, see your tractor operator's manual.

Hydraulic Equipment

If the spreader is equipped with the power-seal endgate, which is operated by the tractor remote hydraulic cylinder, the tractor must be equipped with at least one tractor selective control valve and one ASAE standard 8-inch stroke remote hydraulic cylinder. See your tractor operator's manual for information regarding operating the remote cylinder.

Drawbar for 2510, 2520, and 3010 Tractors



A 3020 Tractor Drawbar with bushings must be used on the 2510, 2520, and 3010 Tractors when used with the spreader.

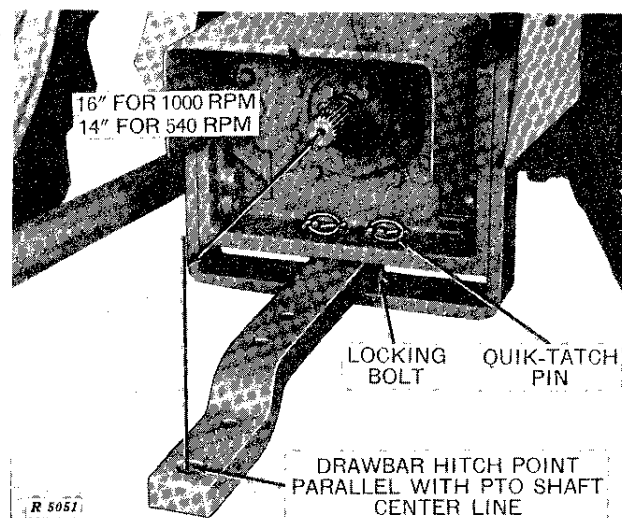
1. Install 3020 Tractor Drawbar (AC13006C) on tractor. The hitch pin hole in the drawbar must be in line with the tractor PTO shaft and must be 14 (540 rpm) or 16 (1000 rpm) inches from the shaft as illustrated on this page.

2. Fasten front of drawbar to tractor with drawbar pin previously removed and 1-inch O.D. x 1-1/2-inch bushing over drawbar pin.

3. Install 2-1/2-inch O.D. x 1-1/4-inch spacers over pins at each side of drawbar to secure drawbar directly in line with tractor PTO shaft.

4. Replace master PTO guard on tractor if it has been removed.

Positioning Drawbar



Position the tractor drawbar as shown with the offset in the drawbar down. The distance from the end of the tractor power take-off to the drawbar hitch pin hole must be 14 inches for 540 rpm PTO operation or 16 inches for 1000 rpm PTO operation. Lock the drawbar in its crossbar, parallel with the centerline of the powershaft, placing the locking bolts on either side of the drawbar.

CAUTION: Do not attempt to operate the spreader-tractor combination unless the PTO operating speed of the spreader and tractor are the same.

NOTE: The 4520, 4620, 5010 and 5020 Tractors are equipped with 1000 rpm PTO drive only. Be sure the spreader is equipped for 1000 rpm PTO operation, when used with these tractors.

PREPARING THE TRACTOR—Continued

Front End Weighting

Provide sufficient weighting to stabilize tractor when operating on hilly land or other adverse conditions. See your tractor operator's manual for front end weighting information.

Rear Wheel Spacing and Weighting

Adjust wheel spacing, for maximum stability, as shown in tractor operator's manual.

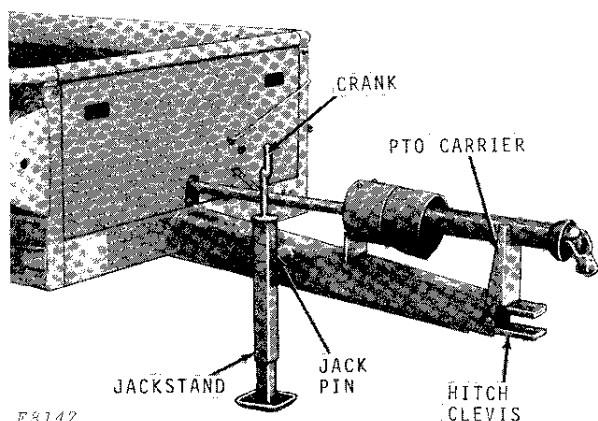
Add rear wheel weights or liquid ballast to the tractor as recommended in the tractor operator's manual.

Tire Inflation

Check front and rear tires on the tractor to be sure they have been inflated according to the recommendations in the tractor operator's manual.

HITCHING TO TRACTOR

Attaching to Drawbar



Carefully back the tractor into position. Make sure the jack pin is in the spreader jackstand. Using the crank on the jackstand, raise or lower the spreader hitch into position to engage the tractor drawbar. Secure the spreader hitch to the tractor drawbar with a hitch pin. Raise jackstand, remove jack pin, and rotate jack to transport position. Replace jack pin and Quik-Lock pin previously removed.

CAUTION: Do not transport the spreader unless the hitch pin is secured and the jackstand is in transport position.

Connecting Telescoping Hookup

The PTO operating speed of the tractor and the spreader must be the same. The tractor half of the powershaft will be equipped with six splines for 540 rpm operation or 21 splines for 1000 rpm operation.



CAUTION: Never hook up a spreader equipped for 540 rpm operation to a 1000 rpm tractor PTO.

Slide the front end of the telescoping hookup onto the tractor powershaft until it is secured with the spring-lock pin.

NOTE: Never use a steel hammer when connecting or removing the telescoping hookup. Keep the hookup and powershaft splines clean.

After making the connection, check to be sure the powershaft spinner shields are free to operate.

Push the carrier down onto the hitch.

Control Ropes

Attach the spring clip for the feed control rope to the rear of the tractor, at a location that is within easy reach of the operator. The spring clip will release the control rope if the operator should forget to disconnect it.

If the spreader is equipped with a rear endgate, attach the endgate control rope to the tractor in the same manner. Keep the ropes separated as widely as possible to avoid pulling the wrong rope when operating the spreader.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com