



# 450 MANURE SPREADER



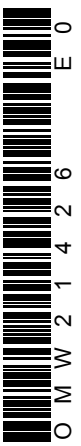
JOHN DEERE

## OPERATORS MANUAL 450 MANURE SPREADER

OMW21426 E0 English

WELLAND WORKS  
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ENGLISH





# To the Operator

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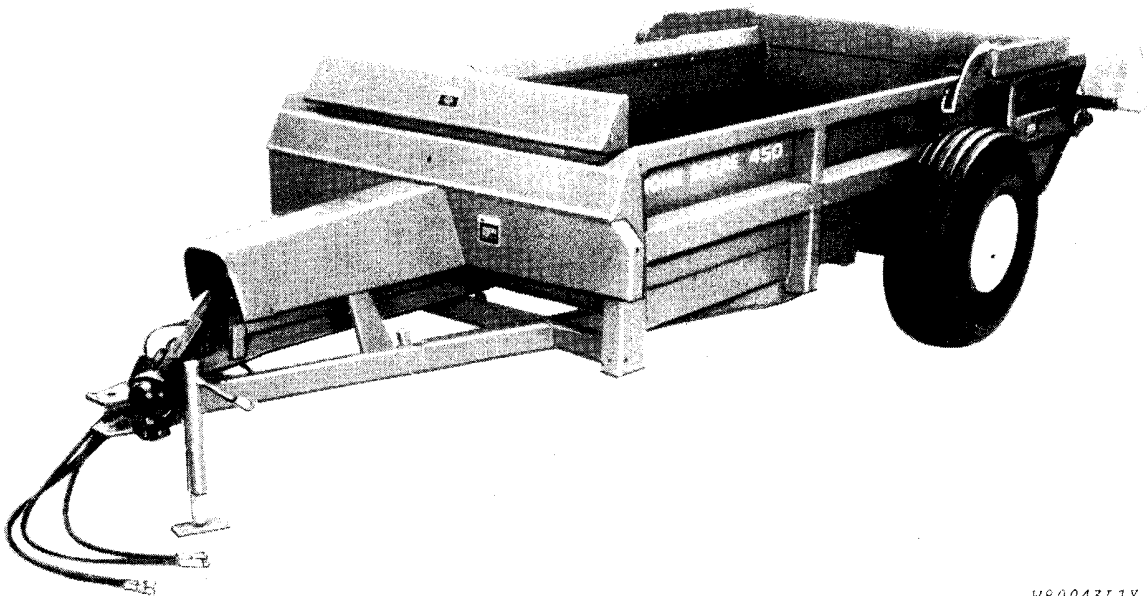
**This safety alert symbol identifies important safety messages in this manual. When you see this symbol be alert to the possibility of personal injury and carefully read the message that follows.**

"Right" and "left-hand" sides are determined by facing the direction of forward travel.

This Manure Spreader is of metric design. For your convenience, most specifications are given in metric measurement with the customary U.S. measurement following.

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

Record your spreader serial number in the space provided on page 84. Your dealer needs this information to give you prompt efficient service.



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## TO THE DEALER

After the spreader has been assembled, and lubricated inspect it thoroughly to be sure it is functioning properly before delivering it to the customer. The following check list is a reminder of points to check. Check off each item as it is found satisfactory or after proper adjustment has been made.

The John Deere Delivery Receipt, when properly filled out and signed by the dealer and customer, verifies that the pre-delivery and delivery services were satisfactorily performed. When delivering this machine, give the customer a copy of the delivery receipt and the operator's manual. Explain their purpose.

Be certain to retain your copy of the packing list for shipping bundle information.

### PREDELIVERY CHECK LIST

The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment is made.

- Check sprockets for damage.
- Check drive chain for proper installation and adjustment. See page 63.
- Check all bearing grease seals for leakage.
- Inflate tires to pressure specified on page 10.
- Lubricate all lubrication points. See pages 54 to 57.
- Cycle all hydraulic cylinders fully two or three times.
- Check oil level in tractor with all cylinders fully retracted. Fill to full mark on dipstick.
- For John Deere 1840, 2140, 2440, 2640, 2940, and 3140 Tractor only, add 6 liters (1.5 gallons) to oil reservoir. This will ensure that there is enough oil to extend cylinders.

**NOTE:** *If tractor is equipped with loader be sure all cylinders are retracted.*

- Check to be sure that all bolts are tight and all cotter pins are spread. See torque chart on page 66.
- Paint all unpainted bolts and nuts and any parts scratched in shipment.

Check all wheel hub bolts to be sure they are tight.



**CAUTION: Never walk behind or stand behind the beater of the spreader during operation or run-in.**

- Operate spreader for about one minute and check for loose bolts, heating rotor bearings, binding parts, loose chain or other irregularities.
- Watch for any signs of faulty operation or unusual sounds.
- After completing full-speed operating, stop spreader and check the drive chain. If necessary, adjust tension.
- This spreader has been tested and to the best of my knowledge, is ready for delivery to the customer.

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(Date Set-Up)

---

(Signature of Set-Up Person)

## DELIVERY CHECK LIST

The following check list is a reminder of very important information which should be conveyed directly to the customer at the time the spreader is delivered. Check off each item as it is fully explained to the customer.

- Advise the customer that the life expectancy of this or any other machine is dependent on regular maintenance including lubrication and bolt torque.
- Tell the customer all about safety precautions that must be observed while using this spreader.
- Tell the customer how to check the oil level.
- When the spreader 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 the customer to check local governmental regulations.
- Give the operator's manual to the customer and explain all operating adjustments.
- To the best of my knowledge, this machine has been delivered ready for field use and the customer has been fully informed as to proper care and operation.

---

*(Date Delivered)*

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*(Signature of Delivery Person)*

## OWNER REGISTER

Name \_\_\_\_\_

Post Office \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Date Sold \_\_\_\_\_



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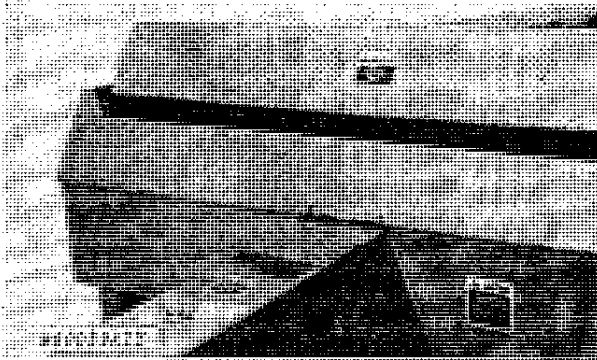
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# Safety

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## BEFORE OPERATING



Read all decals.

Remove foreign objects from spreader.

Be sure no one is near spreader.

Become familiar with all controls.

Check hardware condition.

Be sure all shields are installed.

Check condition of tires and inflate if necessary. Refer to page 10.

Keep wheel bolts tightened to 230 N·m (170 ft-lbs) torque.



## OPERATING

**IMPORTANT: Do not exceed load capacity of the spreader. Refer to page 82.**

If your tractor is equipped with a ROLL-GARD® protective frame and cab, use the seat belt under almost all operating conditions.

Use of seat belt is not recommended for tractors without a roll-over protective device.



R 30819

Do not wear loose clothing.

Keep all shields in place.

Never enter operating spreader.

Do not allow riders on spreader or tractor.

Disengage PTO when not unloading spreader.

Be sure no one is near tractor and spreader.

Reduce tractor ground speed when turning.

Reduce tractor ground speed when traveling on rough terrain.

Avoid traveling over loose fill, rocks, ditches or holes.

Drive slowly through gates and doors.

Always park spreader on level ground and block wheels.

When working on inclines or slopes, travel uphill or downhill. Be sure to keep tractor transmission in gear when traveling downhill.

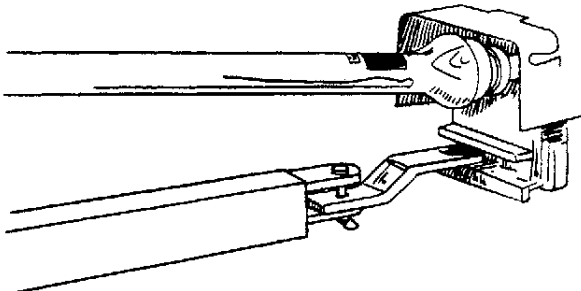
Avoid operating spreader under power when making sharp turns or in steep banked gulleys.

*Continued on next page*

## 4 Safety

Under no circumstances should a spreader equipped for 540 rpm PTO be operated by tractor equipped with 1000 rpm PTO. Nor should a 1000 rpm PTO spreader be operated with a tractor equipped with 540 rpm PTO.

Do not place rocks, timbers or other solid objects in the spreader. Objects of this nature can damage heater and also can be thrown great distances which could injure anyone standing alongside.



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### Stay Clear of PTO and Other Moving Parts

Stop the engine and be sure the PTO has stopped before:

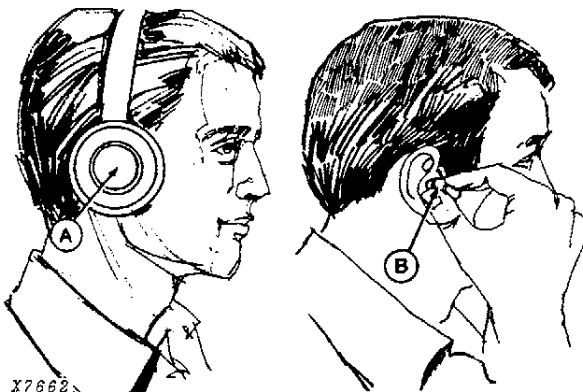
- Connecting or disconnecting a PTO shaft
- Making any adjustment to PTO drive train or hitch
- Cleaning out PTO driven equipment

PTO master shield should be in place at all times except when connecting a PTO drive line or for special applications as directed in the operator's manual.

The PTO shaft guard should be in place when the PTO is not being used.

Stay clear of lid and actuating linkage when lid is being opened and closed.

## PROTECT AGAINST NOISE



X7662

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.

- A—Earmuffs
- B—Ear Plugs



## SERVICE

Always shut off tractor, engage parking brake and remove key before servicing spreader.

When working on wheels or tires, be sure to place jack and safety stands under axle and block wheels to prevent spreader from rolling.

Lock jackstand and block spreader tires.

Determine if a mechanism has stored energy before disassembly.

**⚠ CAUTION: Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands to search for suspected leaks.**

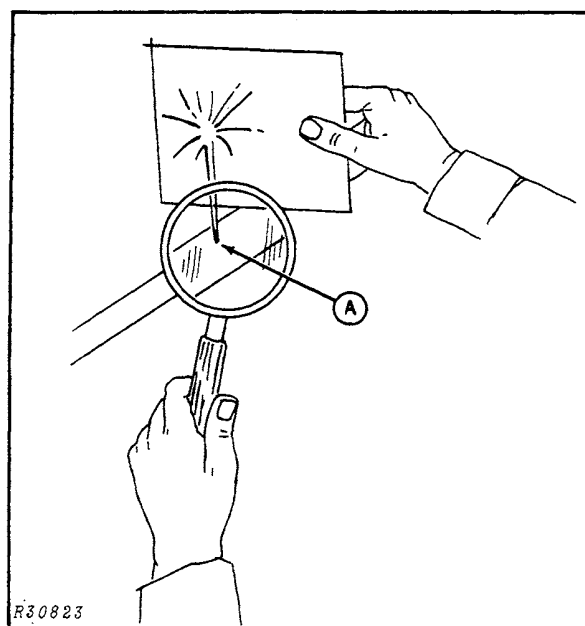
**If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.**

Replace all shields after service work.

Check hardware condition and tighten if necessary.

A—Pin Hole Leak

When servicing wheels or tires extreme caution is advised. See page 67.



## TRANSPORTING

Disengage PTO.

Check tire inflation.

Store jackstand.

Do not allow riders on spreader or tractor.

Do not tow loads that weigh more than twice the weight of the tractor.

*Continued on next page*

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