

# 5440 and 5460 Self-Propelled Forage Harvesters



JOHN DEERE

## OPERATORS MANUAL 5440 and 5460 Self-Propelled Forage Harvesters

OME63867 Issue J8 English

John Deere Ottumwa Works  
OME63867 Issue J8

LITHO IN U.S.A.  
ENGLISH





## To the Purchaser

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This forage harvester 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 forage harvester, harvesting units are available to help you do a better job in special crop conditions. These are described in the harvesting units and attachments section 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.

Because John Deere sells its products world-wide, U.S. units of measure are shown with their respective metric equivalents throughout this operator's manual. These equivalents are the SI (International System) Units of Measure

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

Record your forage harvester and harvesting units serial numbers in the spaces provided on page 193. Your dealer needs this information to give you prompt, efficient service when you order parts. If your harvester requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.

The warranty on this harvester appears on your copy of the purchase order which you should have received from your dealer when making your purchase. This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty.

Warranty and field improvements are a part of John Deere's product support program for customers who operate and maintain their equipment as described in this manual. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.



# JOHN DEERE 5440 AND 5460 SELF-PROPELLED FORAGE HARVESTERS

## UNLOADING THE HARVESTER

Check the shipment for shortage, loss or damage. If there is any, make proper notations on the freight bill.

Remove all shipping packages secured to the freight car floor.

If a loading platform is not available, build a substantial ramp. Always block the freight car wheels in addition to setting the wheel brakes when a ramp is used.

If harvester is to be moved under its own power, do the following:

1. Remove sealing tape from exhaust opening. Add electrolyte, connect battery cables, and charge batteries.

2. Check fuel.

3. Make certain oil in crankcase, transmission case, hydraulic system, hydrostatic system, final drive housings, and brakes is at proper level.

4. Make certain radiator is filled to proper level.

5. Be sure fan and cutterhead clutch lever is disengaged and transmission is in neutral before starting engine. As a safety measure, depress the brake pedal and set parking brake.

6. Make certain that the harvester brakes are working and the parking brake lever is disengaged before attempting to move harvester.

7. Check tire pressures. (Page 23.)

8. Check operation of lights, gauges, and indicator lights.

9. Check engine idle speeds.

**IMPORTANT: If the harvester is to be stored, refer to operator's manual section for "End of Season Service."**

## PREDELIVERY CHECK LIST

After the harvester has been completely assembled and lubricated, inspect it thoroughly to be certain it is in good running order before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment has been made. Consult Harvester Operator's Manuals for proper adjustments.

Harvester has been assembled with the pickup, operators cab, row-crop, mower bar, or corn head, as per instructions.

Insert for OM-E63867 (J8) Litho in U.S.A.

## PREDELIVERY CHECK LIST—Continued

- If harvester is to be used in California,—turn signals were removed and alternate signals installed.
- All grease fittings have been lubricated and gear cases filled. (See Lubrication Section, page 60.)
- All moving parts are working freely.
- Knives are properly adjusted. (Page 82.)
- Lift springs adjusted properly. (Adjust after harvesting unit has been installed.) (Page 30.)
- Harvesting unit drive chain idler aligned and adjusted. (Page 30.)
- Feed roll drive chain idlers adjusted. (Page 51.)
- Sharpening stone is tightened against stone door. (Page 86.) Strip-coating has been removed from stone shaft.
- Check tension of all belts and adjust if necessary.
- Check all chains for proper installation and adjustment.
- Check all hydraulic unit controls to make sure that they are functioning properly.
- Check all hydrostatic unit controls to make sure that they are functioning properly.
- Check engine cooling system.
- Inflate tires to operating pressure.
- Start engine and check engine oil pressure.
- Check ammeter for proper charging of battery.
- Check horsepower on dynamometer.
- Check brake adjustment.
- Check horn for proper function.
- Make certain the slip clutches will slip.
- Discharge spout properly installed. (Page 160.)

## Pickup Unit

- Chain tighteners adjusted. (Page 37.)
- Gauge wheels installed. (Page 185.)

## PREDELIVERY CHECK LIST—Continued

### Row-Crop Unit

- Gatherer chains adjusted. (Pages 34 and 35.)
- Gatherer points and crop deflectors installed—3-Row Row-Crop. (Page 184).

### Corn Head Unit

- Harvester properly set up for installation of corn head. (Page 26.)
- Drive chain adjusted. (Page 31.)

### Mower Bar Unit

- Harvester properly set up for installation of mower bar. (Page 28.)
- Drive chain adjusted. (Page 30.)

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*(Date Set Up)*

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*(Signature)*

## DELIVERY CHECK LIST

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

- Advise the customer that the life expectancy of this like any other machine is dependent on regular lubrication as described in the operator's manual.
- Advise the customer of the safety precautions that must be observed while using this harvester.
- Advise customer that ballast may be required in tires when some harvesting units are used.
- Give the operator's manual to the customer and explain fully all operating adjustments and lubrication.
- Explain the advantages of using the correct recutter screen for special crop-operating conditions and the desired product.
- Advise the customer of the proper procedure for using the sharpening stone and importance of maintaining proper stationary knife-to-cutterhead knife adjustment.
- Point out shear bolt safety device and proper bolt replacements.

- When the forage harvester 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 customers to check local governmental regulations.
- Advise the customer of the optional harvesting units and attachments that are available for special crop and operating conditions.

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*(Date Delivered)*

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*(Signature)*

## AFTER-SALE CHECK LIST

It is suggested that the following items be checked sometime during the first season's operation of the forage harvester.

- Go over entire machine for loose or missing bolts.
- Inspect the cutterhead knives and stationary knife to be sure they are sharp and properly adjusted.
- Check for proper knife register on row-crop unit.
- All chains are properly tightened.
- All safety shields are in place.
- Check for broken or damaged parts.
- If possible, run the harvester 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.

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*(Date Checked)*

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*(Signature)*

## OWNER REGISTER

Name .....

Post Office .....

County ..... State ..... Zip .....

Serial Nos.: Basic Unit .....

Engine .....

Pickup Unit .....

Row-Crop Unit .....

Corn Head Unit .....

Mower Bar Unit .....

Stalker .....

Operator's Manual No. OM-E63867 .....

Date Sold .....



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