



# JOHN DEERE B-B GRAIN DRILL



JOHN DEERE

## OPERATORS MANUAL JOHN DEERE B-B GRAIN DRILL

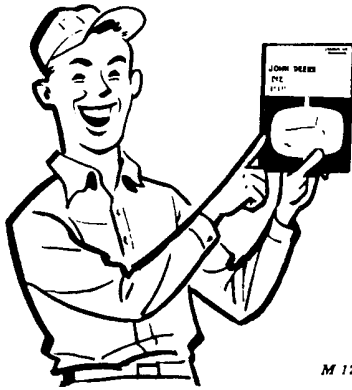
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ENGLISH



## TO THE PURCHASER



M 1201

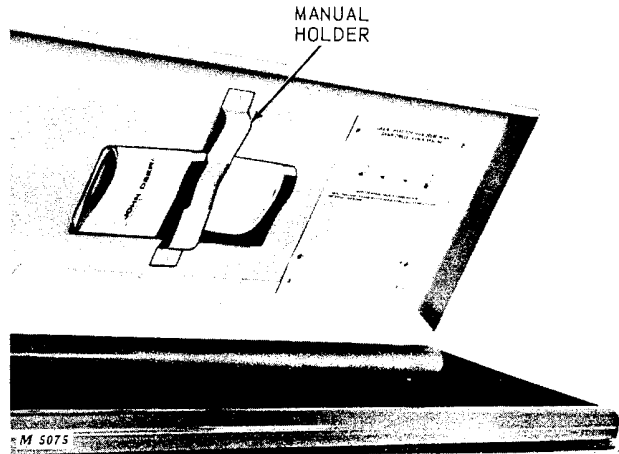
Your new Grain Drill is designed to give you many years of satisfactory service. Its successful operation depends upon the care given it and how it is operated.

The Operation and Service sections of this manual have been prepared to assist the operator in servicing and adjusting the drill to meet varying field conditions.

If you find that you need information not covered in this manual, see your John Deere dealer. He can give you prompt "know-how" service in the field or in his shop.

When in need of parts, go to your John Deere dealer. Be sure to give him a complete description of the part, the model of the drill, and the year purchased. The model and date purchased should be recorded at the bottom of this page as soon as you have received your drill.

Right-hand and left-hand reference is determined by standing at the rear of the drill and facing the direction of travel.



Study this manual carefully. After you are thoroughly familiar with its contents, return it to the holder inside the grain box cover for ready reference.

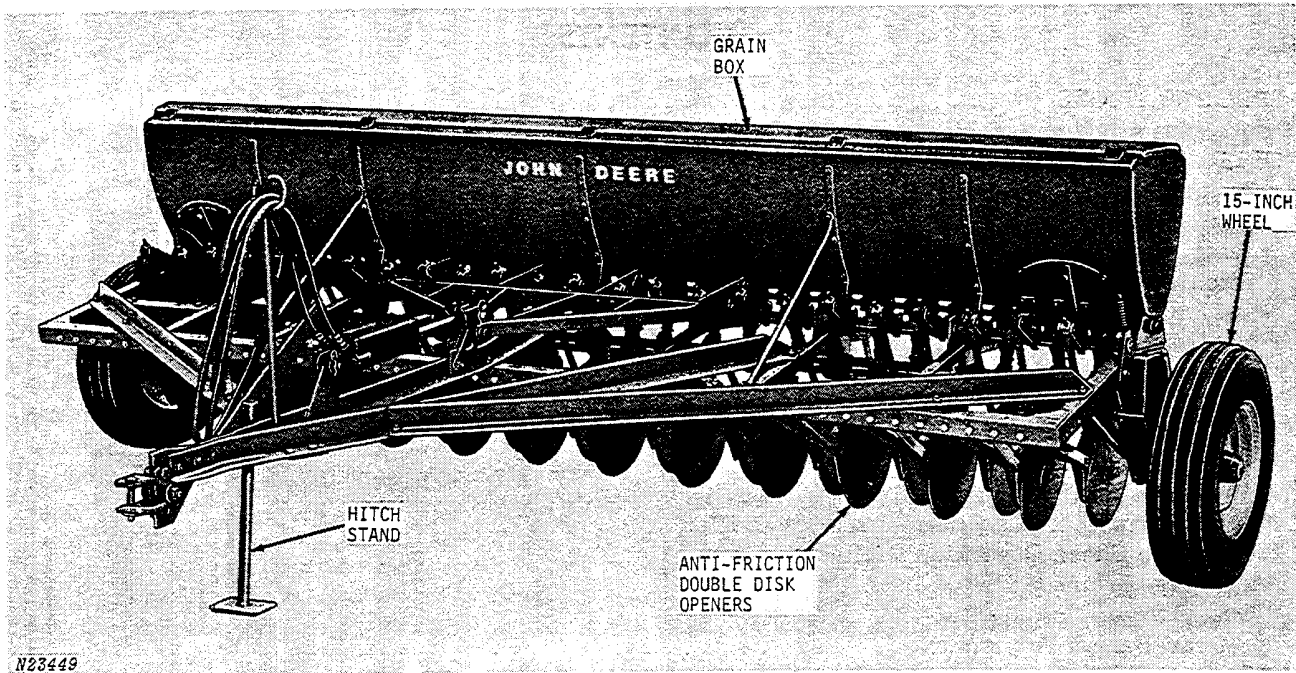
The warranty on this grain drill appears on your copy of the purchase order which you should have received from your dealer when you purchased the grain drill.

**⚠** 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.

This is a ..... Grain Drill (Model)
Date Purchased ..... 19. . .
Series Number .....

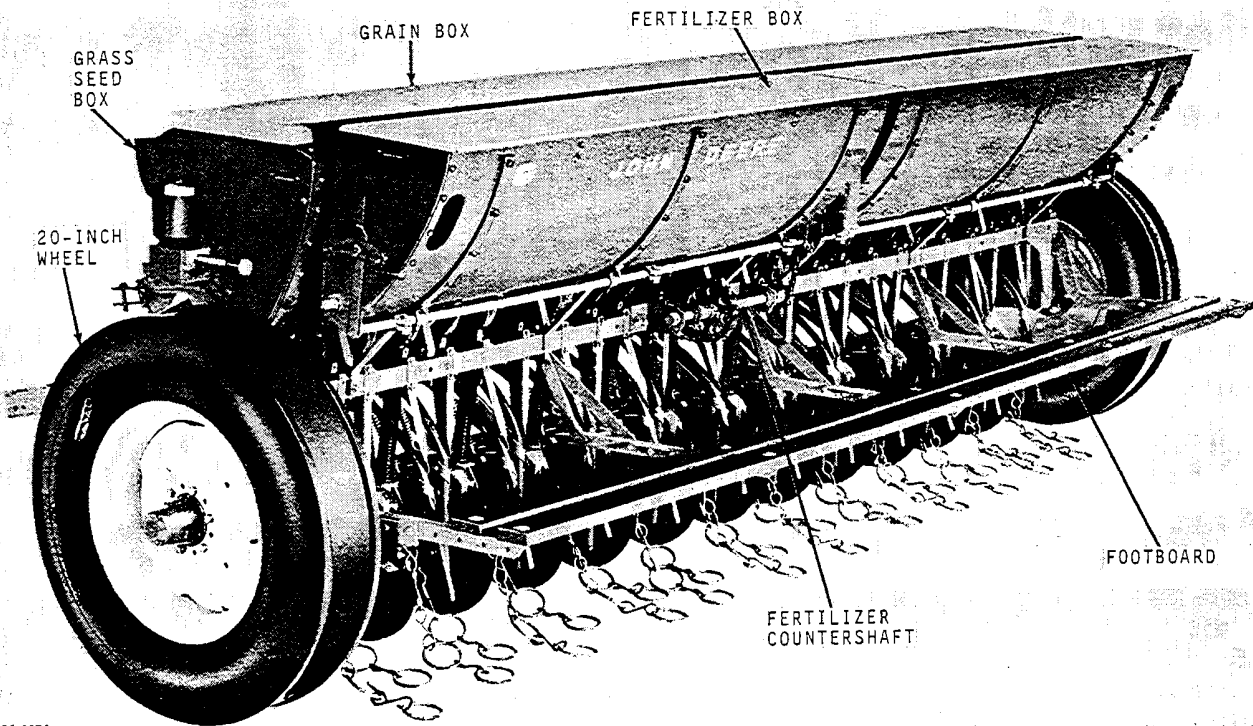
# CONTENTS

	Page
SPECIFICATIONS . . . . .	3
OPERATION . . . . .	4-29
Preparing Drill for Use . . . . .	4
Transporting . . . . .	5
Safety Suggestions . . . . .	5
Hitching Drill . . . . .	6
Clevis Adjustment . . . . .	6
Grain Box and Feeds . . . . .	7
Setting Grain Feeds . . . . .	7
Checking Grain Feeds . . . . .	7
Setting Feed Gates . . . . .	8
Cleaning Grain Feeds . . . . .	9
Grain Chart . . . . .	9
Importance of Checking Quantities Drilled . . . . .	10
How to Check Quantities Drilled . . . . .	11
Planting Brome Grass . . . . .	11
Gear Hanger . . . . .	12
Gear Hanger Adjustment . . . . .	12
Grain Agitator . . . . .	13
Rubber Tires . . . . .	13
Drilling Row Crops . . . . .	14
Grass Seed Feeds and Drive . . . . .	15
Setting Grass Seed Feeds . . . . .	15
Grass Seed Chart . . . . .	16
Grass Seed Drive . . . . .	17
Adjusting Throw-Out . . . . .	17
Furrow Openers . . . . .	18
Care of Furrow Openers . . . . .	18
Adjusting Drilling Depth . . . . .	18
Pressure Adjustment . . . . .	19
Furrow Opener Depth Adjustment . . . . .	19
Scraper Adjustment . . . . .	20
Hoe Opener Adjustment . . . . .	21
Acrometer . . . . .	22
Power Lift . . . . .	23
Remote Hydraulic Cylinder . . . . .	24
Hand Levers . . . . .	26
Helper Spring Adjustment . . . . .	26
Preparing Drill for Storage . . . . .	27
Trouble Shooting . . . . .	28
ATTACHMENTS . . . . .	30-36
LUBRICATION . . . . .	37-39
SERVICE . . . . .	40-47
Resetting Feed Cups . . . . .	40
Grain Feed Shaft and Feed Cups . . . . .	41
Gear Hanger . . . . .	42
Timing Acrometer . . . . .	43
Power Lift . . . . .	44
Furrow Openers . . . . .	45
Multi-Luber System . . . . .	47



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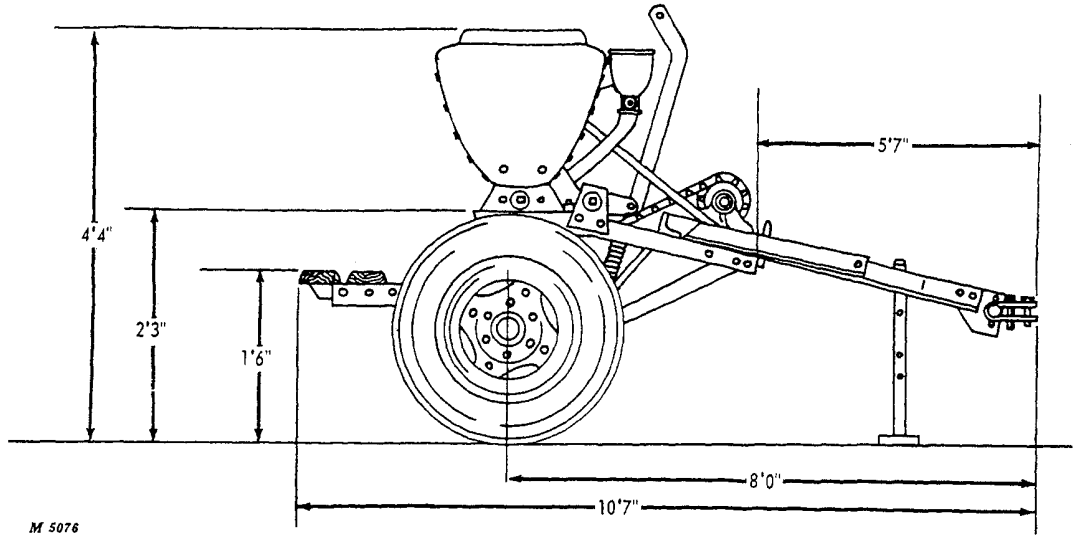
Front View of John Deere B246B Grain Drill with 15-Inch Wheels



M 6870

Rear View of John Deere B246B Grain Drill with 20-Inch Wheels

### SPECIFICATIONS



M 5076

	B 206 B	B 246 B
Drilling Width . . . . .	10 ft.	12 ft.
Over-All Width . . . . .	12 ft. 2 in.	14 ft. 2 in.
Approximate Weight Empty*. . . . .	1804 lbs.	1998 lbs.
Spacing of Feeds . . . . .	6 in.	6 in.
Number of Disk or Hoe Openers . . . . .	20	24
Tire Size (15-inch wheels). . . . .	7.60 x 15	7.60 x 15
(20-inch wheels). . . . .	7.50 x 20	7.50 x 20
Grain Box Capacity (60 lbs. per bu.) . . . . .	1054 lbs.	1249 lbs.
Grain Box Capacity. . . . .	17.5 bu.	20.8 bu.
Fertilizer Box Capacity (64 lbs. per cu. ft. of fertilizer) (80 lbs. per bu.) . . . . .	647 lbs.	773 lbs.
Grass Seed Capacity (60 lbs. per bu.). . . . .	70 lbs.	83 lbs.
Grass Seed Capacity. . . . .	37 quarts	42 quarts
Wheel Revolutions per Acre** (15-inch wheels). . . . .	613	511
(20-inch wheels with ribbed implement tires). . . . .	460	384
(20-inch wheels with double ribbed concave tread or automotive tires). . . . .	441	367

\*The approximate weight given is for a drill equipped with power lifts, tractor hitch, footboards, 15-inch wheels, cover chains and double disk furrow openers.

\*\*The wheel revolutions per acre shown above are for pneumatic tires inflated as recommended on page 13.

Refer to your tractor operator's manual for details on wheel ballasting, tire inflation pressure and use of the tractor hydraulic system.

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

## OPERATION

### PREPARING DRILL FOR USE

Before using the drill after it has been stored, turn the grain and fertilizer feed shafts several revolutions with an adjustable wrench to loosen the parts and prevent breakage. If any of the feeds are tight and do not turn freely, saturate the parts with diesel fuel. For further information about checking the feeds, see page 7.

**CAUTION:** Be careful when using diesel fuel so that it does not ignite. Use only in a well ventilated area away from any sparks and flames.

### LUBRICATION

Wipe off all the old dirt and grease on parts to be lubricated and thoroughly lubricate according to instructions on pages 37 through 39. Replace any grease fittings which are missing. Remove the protective coating of diesel fuel from inside the fertilizer box. Wipe off all the grain, fertilizer and grass seed tubes.

### TIRES

Check the tire inflation to save unnecessary wear on tires and to improve the field performance of your drill. See page 13 for correct tire inflation information.

### GRAIN BOX AND FEEDS

Before filling grain box, make sure that foreign objects such as bolts or stones are not lodged in the feeds. Turn feed shaft several revolutions with a wrench, see page 7. Make sure drive gears are fully engaged when furrow openers are lowered, see page 12.

Refer to chart inside grain box cover or on page 9, and instructions on pages 7 and 8 and set grain feeds and gates. *NOTE: Some adjustment of the setting may be necessary once you start drilling, see pages 10 and 11.*

### FERTILIZER BOX AND FEEDS

Keep fertilizer dry and break up lumps when filling box. Refer to operator's manual included with fertilizer attachment, for adjustments. Make sure fertilizer drive is engaged when furrow openers are lowered.

### GRASS SEED BOX AND FEEDS

Mix grass seed and legume seed well, when filling box. Turn feed shaft several revolutions with a wrench. Refer to chart in grass seed box or on page 16, and instructions on page 15 and set shifter lever. Make sure drive is engaged when furrow openers are lowered.

### FURROW OPENERS AND DEPTH OF SEEDING

Check location of pressure rod collar and adjusting washer, see page 19. Inspect and disconnect scrapers if they are not required, see pages 20 and 21. Set power lift hand wheel and connecting link (page 23), remote hydraulic cylinder stop (page 24) or hand lever (page 26), to secure desired depth of seeding.

### GRAIN, FERTILIZER, AND GRASS SEED TUBES

Inspect all tubes to make sure they are all in place, clean, and are free of obstructions. Replace worn or damaged tubes.

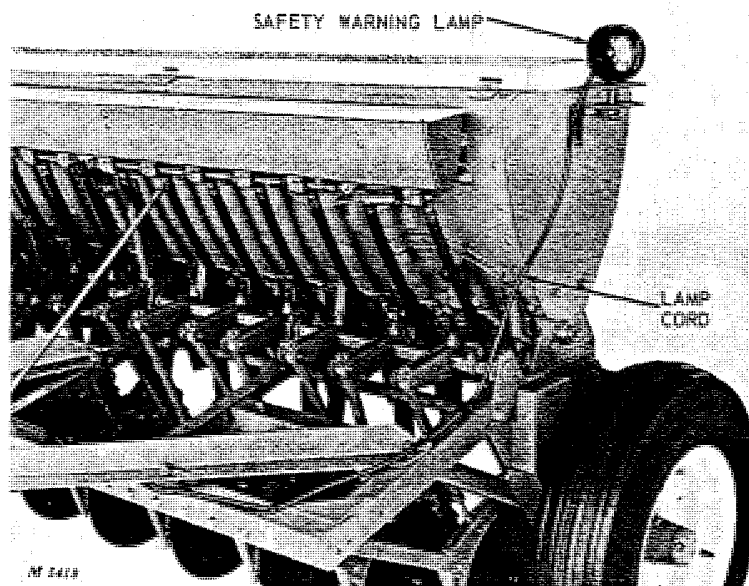
### DISENGAGING DRIVES

Seed and fertilizer combinations being drilled may require the use of only one or two of the three boxes. To eliminate unnecessary wear, the grass seed, grain, and fertilizer drives should be locked out of gear when they are not being used. Make sure drives being used engage when furrow openers are lowered and disengage when furrow openers are raised. See drive information on page 12.

### OPERATING SAFETY

Read safety suggestions on page 5 before starting drill.

## TRANSPORTING



When transporting grain drill on a road or highway at night or during the day, use accessory lights and devices for adequate warning to the operators of other vehicles. In this regard, check local governmental regulations. Various safety lights and devices such as the one illustrated on this page are available from your John Deere dealer.

**⚠ CAUTION:** Never transport drill at road speeds in excess of 10 miles per hour.

## SAFETY SUGGESTIONS

**⚠** Be careful when operating your grain drill. The following rules, if followed, will help prevent injury to the operator and his assistants.

Do not oil, grease, or adjust a farm machine that is in motion.

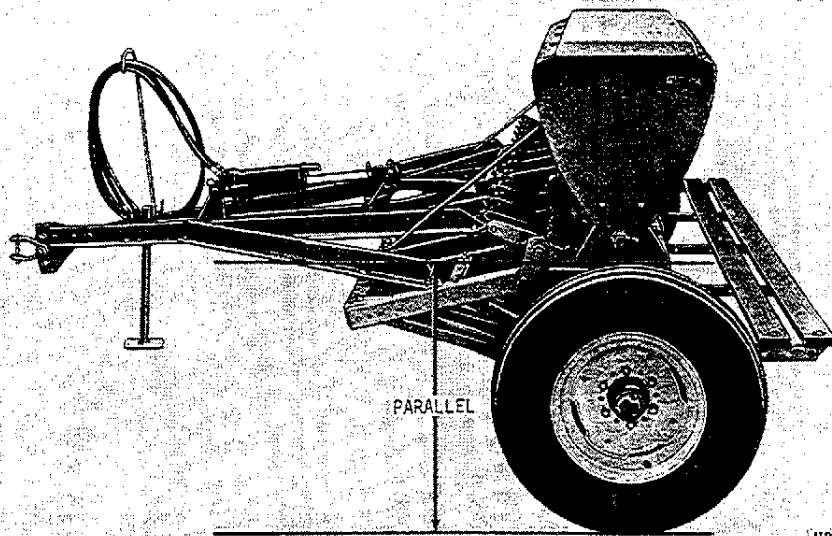
Only one person—the operator—should be permitted on the tractor when tractor and drill are in operation.

Never ride, or permit others to ride, on the drawbar of the tractor or drill, or on the front of the drill.

*NOTE: There are several references in this manual to the use of diesel fuel as a cleaning agent. Be careful when cleaning with this fuel so that it does not ignite. Use only in a well ventilated area and away from any sparks or flames.*

**Warning—**Before filling grain or fertilizer boxes, properly hitch drill to tractor to prevent possibility of drill tipping over backward.

### HITCHING DRILL



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It is important to hitch the drill properly. The proper hitch height is determined by standing at one end of the drill after it is hitched to the tractor and observing that the drill grain box is level or parallel with the ground.

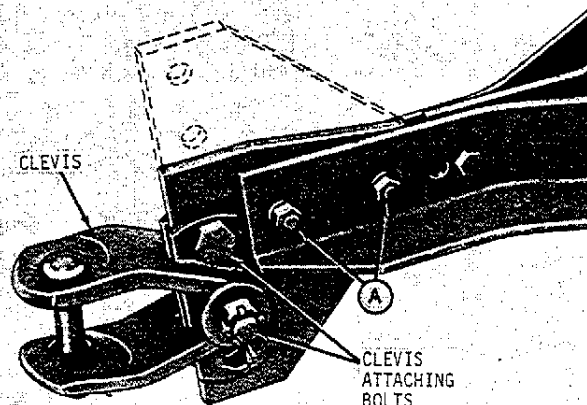
When planting in hard or trashy seedbeds, hitch drill so box is tilted slightly forward to obtain greater penetration and trash clearance. **THIS IS IMPORTANT!**

Hitching drill so box is tilted too far forward causes furrow openers to swing back and up resulting in the seed openings in boots being above the ground line. The disks must then cut deep in order for seed to be placed in furrow trench.

Hitching drill so box is tilted back causes furrow openers to swing forward and under resulting in seed openings becoming clogged, openers wearing excessively, and seed and fertilizer being improperly placed.

**⚠ CAUTION:** Before filling grain or fertilizer boxes, properly hitch drill to tractor to prevent possibility of drill tipping over backward.

### CLEVIS ADJUSTMENT



N23451Y

If adjustment is necessary after proper hitch height is determined, remove the clevis attaching bolts and move clevis to upper or lower hole in clevis plate. Replace bolts. When possible, invert the tractor drawbar to obtain proper hitch height.

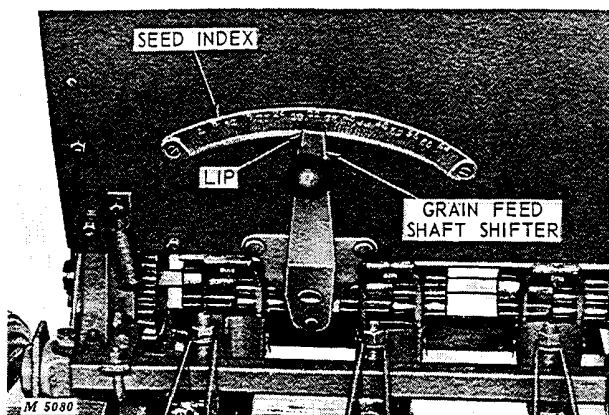
Additional adjustment may be obtained by removing bolts "A" and reversing the hitch plate (dotted lines).

*NOTE: When hitching drill to tractor with one inch hitch pin, drill larger hole in drill clevis.*



## GRAIN BOX AND FEEDS

## SETTING GRAIN FEEDS



The amount of seed drilled per acre is controlled by the feed shaft shifter on outside of box. Moving the feed shaft shifter adjusts the feeds for small or large quantities. Use the drilling chart fastened to box cover or on page 9 as your guide.

Because the quantity drilled will vary according to the size and variety of grain being drilled, it may be necessary to set the grain feed shaft shifter at a larger or smaller quantity setting than shown on the chart. See page 10.

The lip of the feed shaft shifter is the indicator. Pull feed shaft shifter past the desired notch on seed index, then bring shifter back slowly and set lip into desired notch.

*NOTE: When seed being drilled is not shown on the grain chart, select a seed on the chart of comparable weight and size and use the setting recommended for it.*

## CHECKING GRAIN FEEDS



Turning Feed Shaft

Before putting seed in box, turn feed shafts with wrench in direction feeds normally turn. If feeds stick, check for foreign objects in feeds. If they turn hard, loosen moving parts of feed shaft with diesel fuel. During the season, the feeds should be loosened every day by turning the feed shaft with a wrench. When using treated seed, turn feeds with wrench whenever the machine has been standing for an hour or more.



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