

# 235 CORN ATTACHMENT



## OPERATORS MANUAL 235 CORN ATTACHMENT

OMN159167 B8 English

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ENGLISH





# TO THE PURCHASER

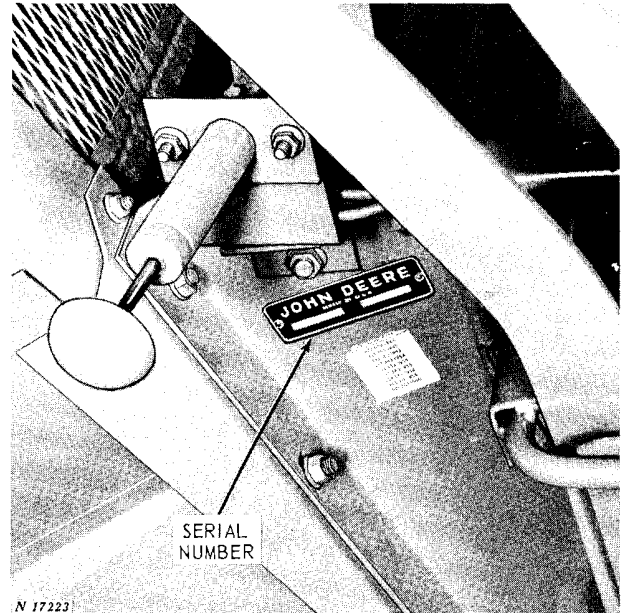
This manual contains useful information on how to operate your new John Deere 235 Corn Attachment.

A corn attachment must be built to handle a wide range of conditions. Field conditions vary from year-to-year, from day-to-day, and even from hour-to-hour. Different varieties of corn present widely different harvesting problems. A careful study of adjustments on your corn attachment and what they will accomplish under varying conditions will allow you to reap many benefits and economies that this corn attachment can provide.

Your new corn attachment will do quality work in direct proportion to the care you use in operating it. Operate, adjust and service the attachment according to the instructions in this manual.

If you need information not covered in this manual, see your John Deere dealer. He has the latest information on how to get the best service from your corn attachment and can give you prompt service in the field or in his shop.

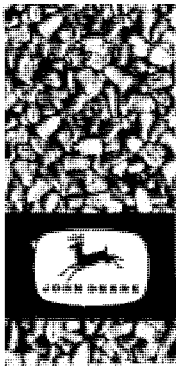
When in need of parts, go to your John Deere dealer. He carries genuine John Deere parts for your 235 Corn Attachment. Be prepared to give him the serial number of your corn attachment and the year purchased. Record this information in the space at the right when you receive your corn attachment.



The serial number is on the left-hand side of the corn attachment, directly below the multi-luber.

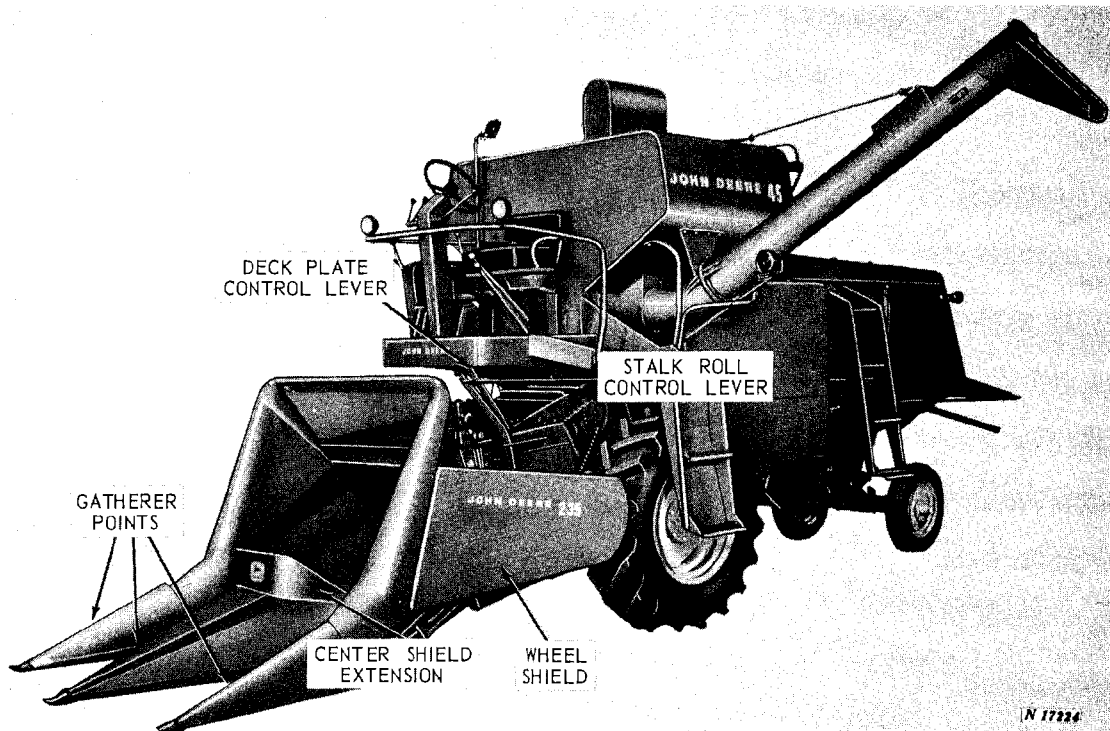
*Serial Number* . . . . .

*Date Purchased.* . . . . .



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*John Deere 235 Corn Attachment on 45 Combine*



# SPECIFICATIONS

John Deere Combine Model  
required . . . . . 45, 55, or 95

*(NOTE: It is recommended that the 45 Combine be equipped with a 60 or 74-inch rear axle. It is also recommended that the 95 Combine not be used on 38-inch rows.)*

Number of rows . . . . . 2

Center-to-center distance between  
snapping units . . . . . 39 inches

Row widths handled . . . . . 38 and 40 inches

Gatherer points . . . . . Floating type, hinged  
above gatherer chains

Number of gatherer chains per  
snapping unit . . . . . 2

Type of gatherer chain . . . . . Endless steel roller  
chain (no master connecting link)

Minimum clearance between gatherer  
chains and ground . . . . . 0 inches

Distance gatherer chains ahead of  
fluted stalk rolls . . . . . 10 inches

Gatherer chain speed . . . . . Shipped set for 279  
fpm (feet per minute)  
Additional sprocket provided for 326 fpm (feet  
per minute)

*NOTE: A sprocket can be obtained from your  
dealer for 373 fpm (feet per minute).*

Length of fluted stalk rolls . . . . . 30 inches

Length of stalk rolls  
with points . . . . . 38-1/2 inches

Stalk roll adjustment . . . . . By operator from  
combine platform

Deck plate adjustment . . . . . By operator from  
combine platform

Gatherer chain adjustment . . . . . Spring loaded-  
self adjusting

Trash paddle . . . . . Full width of attachment

Conveyor from gatherers to  
Combine . . . . . Full width cross auger and feed  
paddles

Approximate weight of corn attachment

235 for 45 Combine . . . . . 1,775 pounds

235 for 55 Combine . . . . . 1,790 pounds

235 for 95 Combine . . . . . 1,825 pounds

Approximate over-all width  
for storage . . . . . 6 feet 4 inches

Approximate over-all length  
for storage . . . . . 10 feet

Approximate over-all width on  
55 and 95 Combines . . . . . 8 feet 11 inches

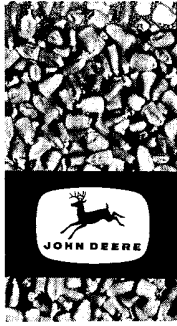
Approximate over-all width on  
45 Combine . . . . . 8 feet 5 inches

Approximate over-all length on  
45, 55, and 95 Combines . . . . . 25 feet

Attachments for combine . . . . . Corn cob mix

*NOTE: For other attachments available for  
the combine, see your John Deere dealer.*

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



# OPERATION

## PROPER INSTALLATION

Be sure corn attachment is properly installed on combine. Improper installation can cause inferior work and damage to corn attachment and combine. After corn attachment is completely installed, check over entire machine, being sure shields, sprockets, chains, and all other parts are properly attached, and adjustments made as instructed. Be sure all nuts, pins, and keys are tight and cotter pins are spread. Make sure slip clutches are set properly and free from paint or grease.

## IN THE FIELD

Take pride in doing the best job possible under all conditions. Pick end rows first and then disk down end rows for a smoother ride and ease of handling. Follow rows carefully; set gatherer points and lower corn attachment to pick up down and leaning stalks. Pick so it will not be necessary to pick odd or guess rows.

After picking several rounds, stop corn attachment and check to be sure grease is reaching all bearings. Check machine to be sure bolts are tight and chains are adjusted to proper tension.

## ADJUST MACHINE PROPERLY

Successful operation, quality of work, and length of life of corn attachment depend greatly upon adjusting corn attachment and combine to meet specific field conditions, and on proper lubrication.

After several rounds, check adjustments on corn attachment and combine to be sure you are getting the best possible sample of corn in the grain tank.

## HARVEST EARLY

Early harvesting, before corn gets too dry, keeps field losses low. Agricultural engineers

suggest that when early maturing corn reaches 26 to 27 percent moisture, farmers with dryers can start harvesting. If you're equipped to store high moisture corn, harvesting can start when corn is at 30 percent moisture.

If corn is to be sold without drying, it is best to wait until moisture content is down slightly below 20 percent. For safe storage in anything but an air tight silo, moisture should not exceed 14 percent.

Early harvesting will also eliminate troubles and disagreeable features that accompany frozen ground, extremely cold weather, and dried out, frozen, and rotten cornstalks.

## DRIVE CAREFULLY

The combine should travel in same direction that field was last cultivated. Drive combine carefully so corn attachment will stay on rows. Raise corn attachment when crossing end of field.

Listen for slipping clutches and watch for deep furrows, rocks, or other obstructions which gatherer points may strike.

If unit begins to plug, do not slow down combine engine. Keep engine at operating speed and decrease ground speed with variable speed control or by disengaging foot clutch until unit has cleared itself.

**CORN ATTACHMENT HEIGHT CONTROL**  
(45 Combine Serial 46001 and up, 55 Combine Serial 83001 and up, and 95 Combine Serial 35001 and up)

The combine has an adjustment to control speed of lowering corn attachment. If the corn attachment is lowering at too slow or fast a rate of speed, refer to your combine operator's manual for adjusting control valve that controls speed of drop.

Thank you so much for reading.  
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button below to download the  
complete manual.



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