



# 71 Flexi-Planter



## OPERATORS MANUAL 71 Flexi-Planter

OMH135752 Issue D8 English

**John Deere Harvester Works**  
**OMH135752 Issue D8**  
This Manual replaces OMA41062-CO

LITHO IN U.S.A.  
ENGLISH



# Introduction

**Read this manual** carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage.

**This manual should be considered** a permanent part of your machine and should remain with the machine when you sell it.

**Right-hand and left-hand** sides are determined by facing in the direction the implement will travel when going forward.



**This machine** is of metric design. Measurements in this manual are metric with the customary U.S. measurement following. Use only metric hardware and tools as specified.

**Write product identification numbers** in the space provided in the Specifications section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. If this manual is kept on the machine, also file the identification numbers in a secure place off the machine.

**Warranty** is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

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. 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.

**The tire manufacturer's** warranty supplied with your machine may not apply outside the U.S.

## CALIFORNIA PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

*All information, illustrations and specifications in this manual are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.*

COPYRIGHT® 1988 DEERE & COMPANY Moline, Illinois All rights reserved A John Deere ILLUSTRATION™ Manual

# Contents

	Page		Page
<b>Safety</b> . . . . .	05-1	Checking Drilling Distances . . . . .	35-16
<b>Preparing the Tractor</b>		Plant Population . . . . .	35-17
Hydraulic Pressure . . . . .	15-1	Checking Plant Population . . . . .	35-18
Setting Wheel Tread . . . . .	15-1	Seed Tubes . . . . .	35-19
Tire Inflation . . . . .	15-1	Installing Corn Seed Plates . . . . .	35-21
Rear Wheel Weighting . . . . .	15-2	Installing Beet or Cucumber Seed Plates . . . . .	35-22
Sway Blocks . . . . .	15-2	Installing Peanut Seed Plates . . . . .	35-23
Link Lengths . . . . .	15-2	Seed Hoppers . . . . .	35-25
Rockshaft Selector Lever . . . . .	15-3	Seed Plate Metering Unit Operating Characteristics . . . . .	35-25
Front End Weighting . . . . .	15-3	Hopper Bottom	
Implement Codes . . . . .	15-3	For Corn, Soybeans, Acid Delinted Cotton and Regular Rate Sorghum . . . .	35-26
<b>Preparing the Planter</b>		For Low-Rate Sorghum and Sugar Beets .	35-30
Tire Inflation . . . . .	20-1	Cell Drop Hopper Bottom	
Lubrication . . . . .	20-1	For Low-Rate Soybeans and Cotton Seed . . . . .	35-32
Changing Row Widths		Hopper Bottom For Peanuts or Edible Beans . . . . .	35-36
Planting Units Mounted on 7 x 7 In. (180 x 180 mm) Toolbar . . . . .	20-1	Converting Corn Hoppers to Beet Seed Hoppers . . . . .	35-40
Selecting Seed Plates . . . . .	20-2	Converting Beet Seed Hoppers to Corn Hoppers . . . . .	35-43
<b>Attaching and Detaching</b>		<b>Attachments</b>	
Attaching to Tractor . . . . .	25-1	Mechanical Marker . . . . .	40-1
Attaching Hoses . . . . .	25-5	Covering Chain . . . . .	40-1
Checking Hydraulic System . . . . .	25-10	Covering Knife . . . . .	40-2
Detaching from Tractor . . . . .	25-11	Covering Disk . . . . .	40-2
<b>Transporting</b>		Gauge Shoe . . . . .	40-3
Transport Safely . . . . .	30-1	Depth Band . . . . .	40-4
Field Transporting . . . . .	30-1	Depth Band Scrapers . . . . .	40-4
Road Transporting . . . . .	30-6	Granular Herbicide	
Locking Markers in Transport . . . . .	30-6	Rate of Application . . . . .	40-5
Transporting on 201 Implement Carrier . . .	30-7	Metering Gate . . . . .	40-7
<b>Operating the Planter</b>		Checking Rate of Application . . . . .	40-8
Raising and Lowering . . . . .	35-1	Field Operation . . . . .	40-9
Leveling . . . . .	35-4	Handling . . . . .	40-9
Marker Length . . . . .	35-7	Granular Insecticide	
Raising and Lowering Mechanical Markers . . . . .	35-8	Metering Gate . . . . .	40-10
Raising and Lowering Hydraulic Markers . .	35-9	Checking Rate of Application . . . . .	40-12
Marker Float Range-Hydraulic Markers . . .	35-10	Granular Herbicide/Insecticide Combination .	40-13
Independent Marker Control (Optional) . . .	35-11	Wide-Band Insecticide Spreader . . . . .	40-13
Breakaway Bolt, Hydraulic Markers . . . . .	35-11	Seed Packer Wheel . . . . .	40-14
Changing Planting Depth . . . . .	35-11	Beet Seed Baffle for Metal Hopper . . . . .	40-14
Adjusting Press Wheel Down Force on 2-1/2 In. Sq. Toolbar . . . . .	35-12	Row Leveling Blade . . . . .	40-15
Adjusting Press Wheel Down Force on 7 In. Sq. Toolbar . . . . .	35-13	Vegetable Seed Hopper	
Centering Press Wheel . . . . .	35-13	Selecting Seed Plates . . . . .	40-15
Drilling Distances . . . . .	35-14	Calculating Plant Population . . . . .	40-19
		Blocking Vegetable Seed Plate Cells . . .	40-20

## Contents

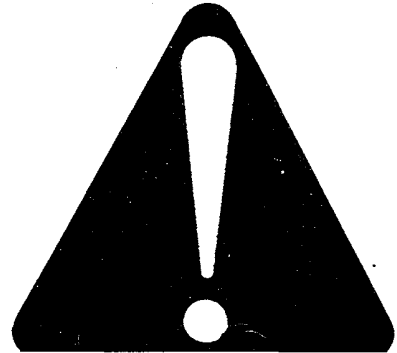
	Page
<b>Dry Fertilizer</b>	
Delivery Hose Bracket . . . . .	40-21
Double-Disk Fertilizer Opener . . . . .	40-22
Hopper Drive . . . . .	40-22
Adjusting Drive Wheel Floatation . . . . .	40-22
Gauging the Toolbar . . . . .	40-23
Positioning Fertilizer Drive Chain . . . . .	40-23
Fertilizer Rates . . . . .	40-23
<b>Parking Stands for 2-1/2 In. Square</b>	
Toolbars . . . . .	40-24
<b>Extended Drilling Attachment</b> . . . . .	40-24
<b>Beet Seed Runner</b> . . . . .	40-24
<b>Disk Scrapers</b> . . . . .	40-25
<b>Parallel Arm Stop</b> . . . . .	40-25
<b>Mounting Brackets for RR-2 and RR-3</b>	
Cultivators . . . . .	40-25
 <b>Service</b>	
Service Tires Safely . . . . .	55-1
Drive Wheels . . . . .	55-1
Lift-Assist Wheels . . . . .	55-2
Marker Breakaway Bolt . . . . .	55-2
Cleaning Fertilizer Attachment . . . . .	55-3
Handling Fertilizer . . . . .	55-4
Changing Press Wheel Tire . . . . .	55-5
 <b>Storage</b>	
Beginning of the Season Service . . . . .	60-1
End of the Season Service . . . . .	60-2
 <b>Specifications</b>	
Planter Dimensions . . . . .	70-3
Record Serial Number . . . . .	70-5

# Safety

## RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



AB6;T81389 053;ALERT 160687

## UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

Safety signs with signal word DANGER or WARNING are typically near specific hazards.

General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



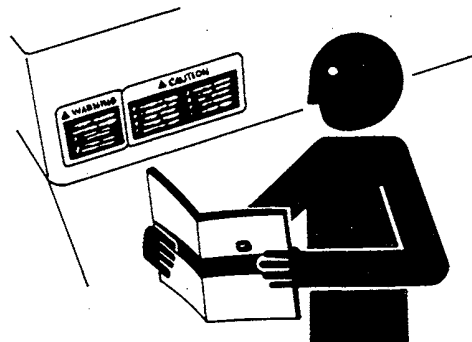
AB6;TS187 053;SIGNAL 071085

## FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

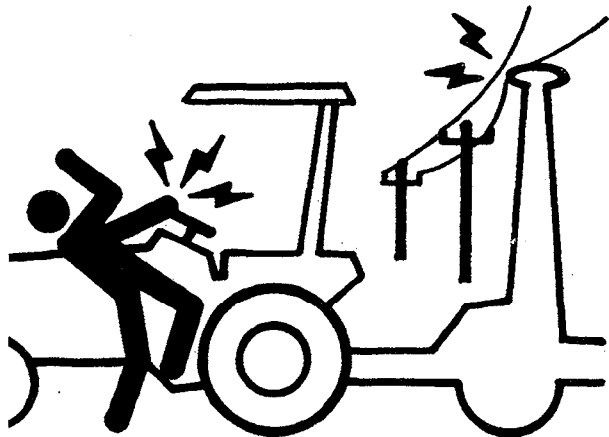
Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.



AB6;TS201 053;READ 230487



## AVOID POWER LINES

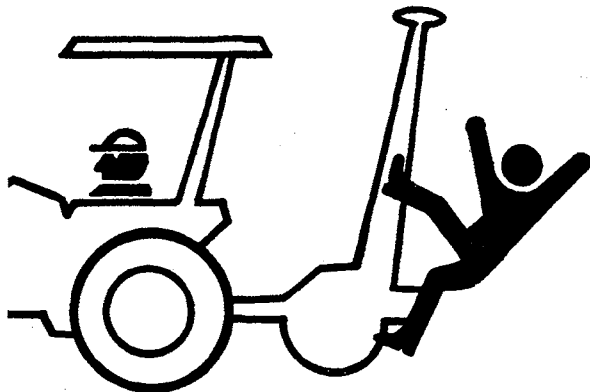


A34331

AG0/A34331 B05;;2SA-A. 130587

## KEEP RIDERS OFF MACHINE

Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.



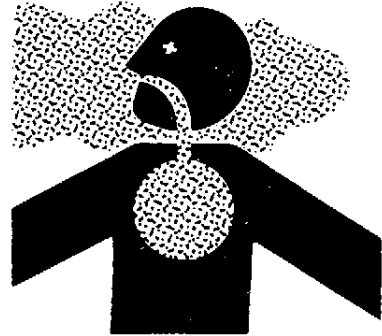
A34332

AG0/A34332 B05;;2SA-B 160388



## HANDLE CHEMICALS PROPERLY

Agricultural chemicals can be dangerous. Improper selection or use can injure persons and animals. BE SAFE: handle and apply with care. Follow instructions of the chemical manufacturer.



AB6;TS220 B05;;2SA-C 160389

## TRANSPORT SAFELY

Install marker lockup straps to prevent injury from lowered marker.

The maximum transport speed for this planter is 10 mph (16 km/h). DO NOT EXCEED. Never travel at any speed which does not permit adequate control of steering and stopping.

Reduce speed over rough ground.



A34333

AG0;A34333 B05;;2SA-D 160388

## USE SAFETY LIGHTS AND DEVICES

When transporting your machine on a road or highway at night or during the day, use necessary safety lights. Check local governmental regulations. A safety lighting kit is available from your John Deere dealer.

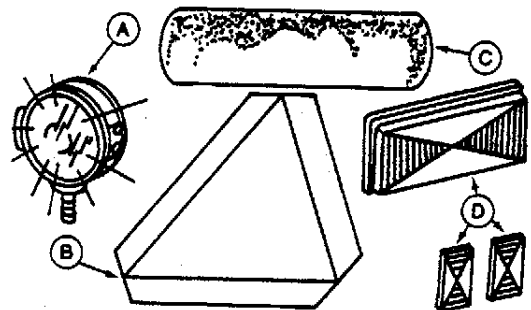
Keep safety items in good condition. Replace missing or damaged items.

A—Lights

B—Slow Moving Vehicle Emblem

C—Reflector Tape

D—Reflectors



AB6;N36564 053;WARN 070188



## PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate or service machine while it is moving. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.

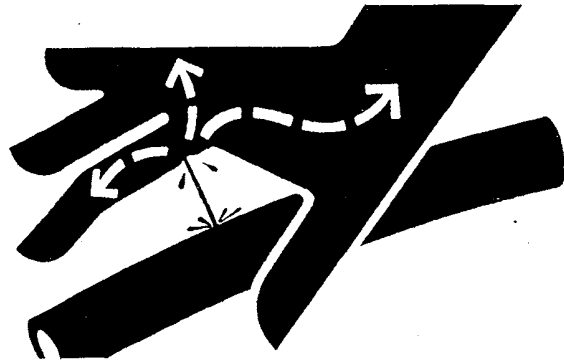


AB6;TS218 053;SERV 211287

## AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before unhooking hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard to search for leaks.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.

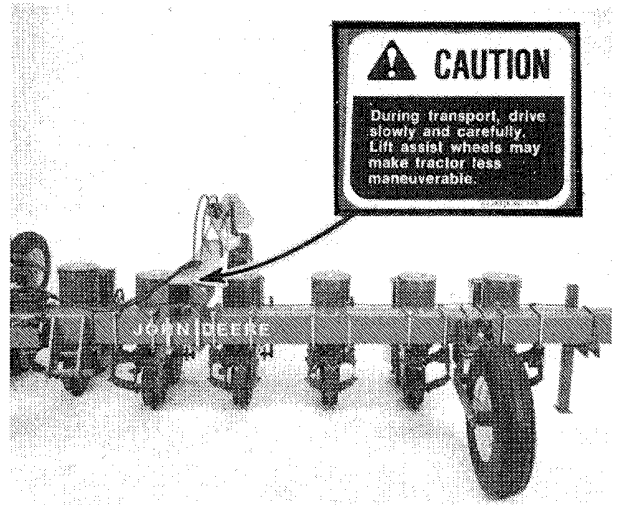


AB6;X9811 053;FLUID 180987





## SAFETY SIGNS



A33277

*Lift Assist Wheel*

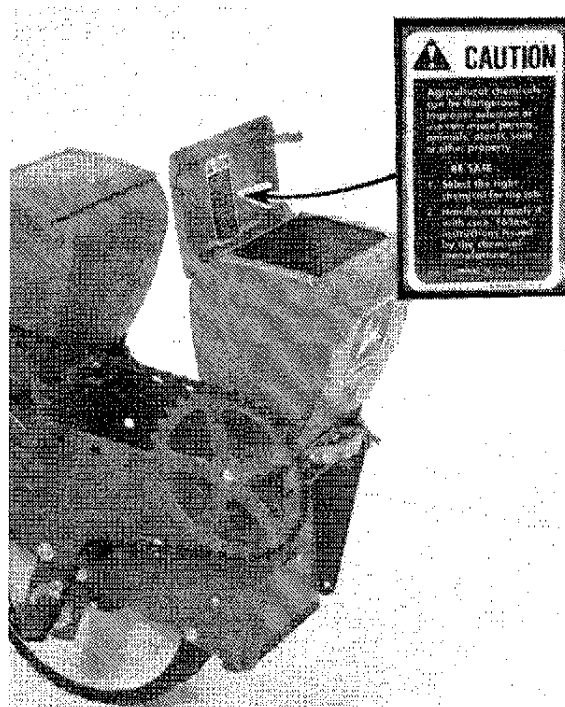
AG0/A33277 B05;;2SS-A. 130787



A33278

*Marker Arms*

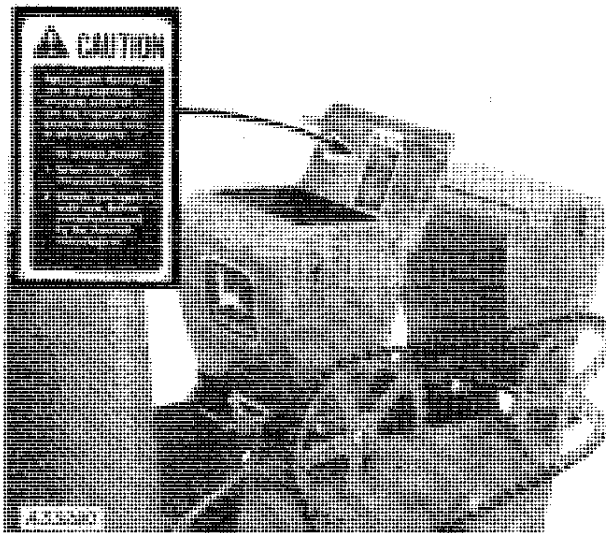
AG0/A33278 B05;;2SS-B 130787



A33279

Herbicide Hopper

AG0/A33279 B05;2SS-C 130787

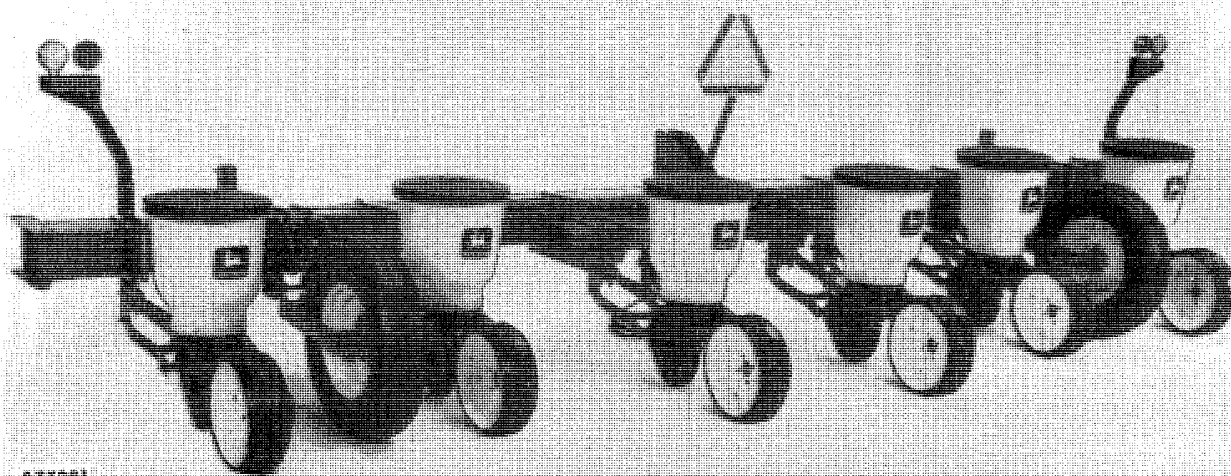


A33280

Herbicide Hopper

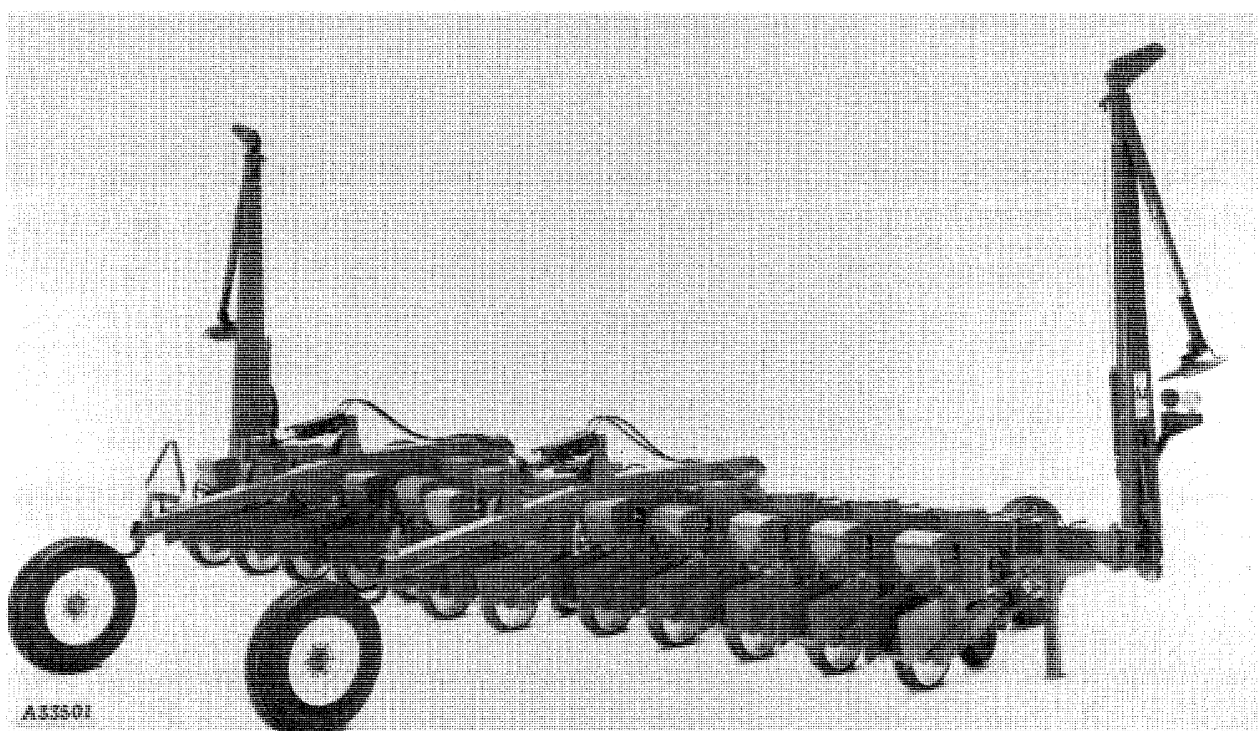
AG0/A33280 B05;2SS-D 130787

# Identification Views



*6-Row Wide Without Markers*

AG0;A33281 B05;;2IV-A. 130767



*12-Row Narrow With Folding Hydraulic Markers*

AG0;A33501 B05;;2IV-B 240388

# Preparing the Tractor

## HYDRAULIC PRESSURE

**IMPORTANT:** The minimum operating pressure for the planter hydraulic system is 2250 psi (15 513 kPa) (155.1 bar). Do not exceed this pressure.

B05;;2PT-A. 240388

## SETTING WHEEL TREAD

(Two-Wheel Drive Tractors) Set tires (center-to-center of tread) at twice the row spacing.

(Two-Wheel Drive Tractors with Dual Wheels) Set outer wheels as close as possible to four times the row spacing.

(Four-Wheel Drive Tractors) Set tractor tires (center-to-center of tread) as close as possible to twice the row spacing.

*NOTE: Certain tire combinations may require Category 3N quick-coupler to obtain 60 in. (1524 mm) wheel tread setting.*

B05;;2PT-B. 140787

## TIRE INFLATION

Inflate the tractor tires as recommended in the tractor operator's manual.

AP0; B05;;13PT D 090384

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](mailto:ebooklibonline@outlook.com)