

# **GreenStar™ Combine Yield Mapping System**

**John Deere Precision Farming**  
**OMPC20003 J7**  
**(This manual replaces OMPC10159 D7)**

LITHO IN U.S.A.  
ENGLISH

# Contents

	Page		Page
<b>Safety</b> .....	05-1	Info — Diagnostics — Page 4	
		Mass-Flow Sensor .....	30-41
<b>Component Location</b>		Info — Diagnostics — Page 5 Data Network ..	30-42
GreenStar™ Display .....	10-1	Warning Screens .....	30-42
Mass-Flow Sensor .....	10-1		
Moisture Sensor .....	10-2	<b>System Calibration</b>	
Mapping Processor .....	10-2	Update Flow Sensor Zero .....	40-2
PC Card .....	10-3	Yield Calibration .....	40-3
Position Receiver .....	10-3		
JDmap™ .....	10-4	<b>Troubleshooting</b>	
		Moisture Sensor .....	50-1
<b>Maintenance and Service</b>		Mass-Flow Sensor .....	50-2
Mass-Flow Sensor .....	20-1	Display .....	50-2
Moisture Sensor .....	20-2	Mapping Processor .....	50-3
Adjusting Clean Grain Elevator Chain		Position Receiver .....	50-3
Tension .....	20-3		
		<b>Crime Prevention Tips</b>	
<b>GreenStar Display Operation</b>		Help Prevent Crime .....	60-1
General Information .....	30-1	Record Identification Numbers .....	60-1
Yield Mapping System Run Functions .....	30-2	Keep Proof of Ownership .....	60-1
Run — Page 1 .....	30-3	Park Indoors Out of Sight .....	60-2
Run — Page 2 .....	30-10	When Parking Outdoors .....	60-2
Yield Mapping Setup Functions .....	30-13	Reduce Vandalism .....	60-3
Setup .....	30-14	Report Thefts Immediately .....	60-3
Setup — Yield Map — Page 1 .....	30-15		
Setup — Yield Map — Page 2 .....	30-20	<b>Identification Numbers</b>	
Yield Calibration .....	30-22	Identification Labels .....	70-1
Setup — Yield Map — Page 3 .....	30-24	System Serial Number .....	70-1
Renew Position Receiver License .....	30-26	Mapping Processor .....	70-1
Load New Program .....	30-28	GreenStar™ Display .....	70-2
Yield Mapping Info Functions .....	30-30	Position Receiver .....	70-2
Info .....	30-31	Moisture Sensor .....	70-3
Info — Menu — Page 1 .....	30-32	Mass-Flow Sensor .....	70-3
Info — Yield Map — Page 2 Field Totals .....	30-33		
Info — Yield Map — Page 3 Crop Totals .....	30-33	<b>John Deere Service Keeps You On The Job</b>	
Info — Recommended Settings .....	30-34	John Deere Is At Your Service When	
Info — Preferred Settings .....	30-35	You Need It .....	IBC-1
Info — GPS — Page 2 .....	30-36		
Info — Diagnostics — Page 2 Position			
Receiver .....	30-38		
Info — Diagnostics — Page 3 Moisture			
Sensor .....	30-39		

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

COPYRIGHT © 1997  
DEERE & COMPANY  
Moline, Illinois  
All rights reserved  
A John Deere ILLUSTRATION® Manual

*Contents*

**<https://www.ebooklibonline.com>**

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**

# 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.



DX.ALERT -19-03MAR93-1/1

T81389 -JUN-07DEC88

## UNDERSTAND SIGNAL WORDS

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

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



**▲ WARNING**

**▲ CAUTION**

DX.SIGNAL -19-03MAR93-1/1

TS187 -19-30SEP88

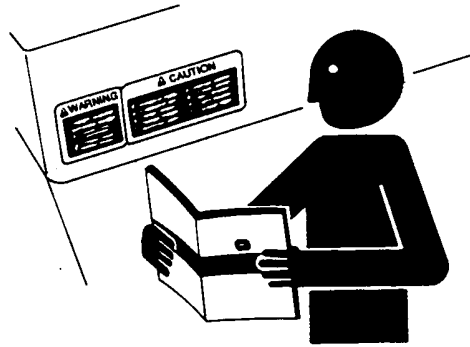
## FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

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.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



TS201 -UN-23AUG88

DX,READ -19-03MAR93-1/1

## DRIVING THE COMBINE

Operate combine only when all guards are fitted and in their correct position.

Before driving away, check immediate vicinity of machine (e.g. for children). Use the horn as a warning immediately before driving away.

Attach headers to the combine with extreme care.

HX,S9500SA,A -19-18MAR93-1/1

### KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

Riders are subject to injury such as being thrown off of the machine. Riders also obstruct the operator's view, resulting in the machine being operated in an unsafe manner.

On machines equipped with a passenger seat, one rider is permitted.



TS253 -JUN-23AUG88

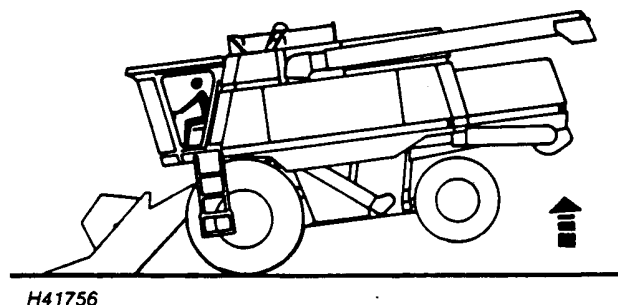
HX,S9500SA,B -19-18MAR93-1/1

### BALLASTING FOR SAFE GROUND CONTACT

Operating, steering and braking performance of combine can be considerably affected by heavy front end attachments which alter the center of gravity of the combine.

To maintain the necessary ground contact, ballast the combine at the rear end as necessary.

Observe the maximum permissible axle loads and total weights.



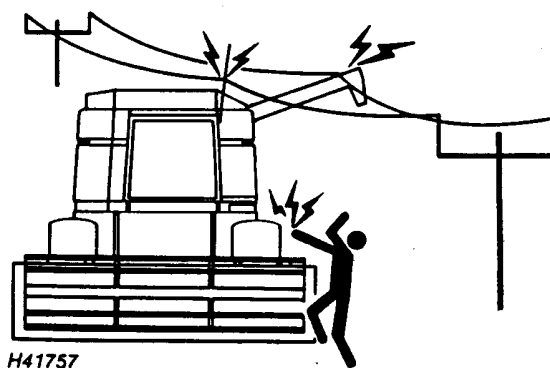
H41756 -JUN-10MAR90

HX,S9500SA,C -19-18MAR93-1/1

### AVOID ELECTRICAL POWER LINES

Put the grain tank unloading auger in transport position before driving on public roads.

Secure radio aerial in its transport position before driving on public roads, it may come into contact with low-hanging electrical cables. This would result in the operator suffering a severe electrical shock.

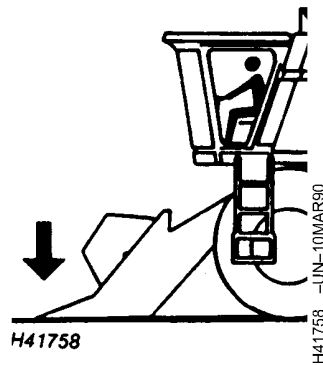


H41757 -JUN-10MAR90

HX,S9500SA,D -19-18MAR93-1/1

### PARK THE COMBINE SAFELY

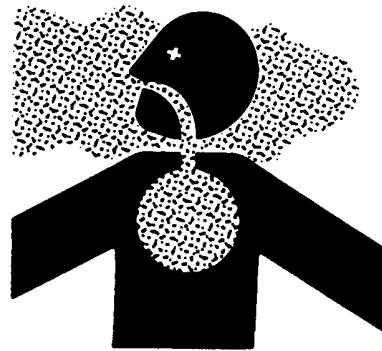
Lower the headers and other equipment to the ground before leaving the combine. Set the park brake, turn off the engine and remove the keys.



HX,S9500SA,E -19-18MAR93-1/1

### OPERATE THE ENGINE OUTDOORS

Never operate the engine in a closed building.



HX,S9500SA,F -19-18MAR93-1/1

### HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care: it is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks.

Always stop engine before refueling machine. Fill fuel tank outdoors.

Prevent fires by keeping machine clean of accumulated trash, grease, and debris. Always clean up spilled fuel.



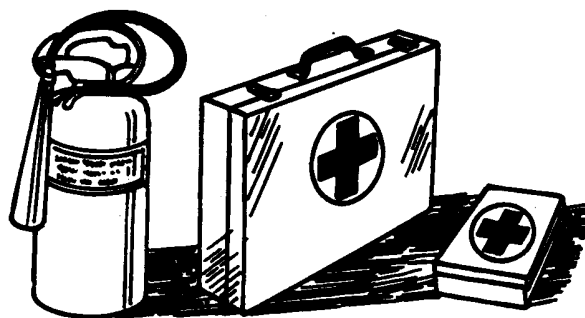
DX,FIRE1 -19-03MAR93-1/1

### PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



TS291 -JUN-23AUG88

DX,FIRE2 -19-03MAR93-1/1

### HANDLE STARTING FLUID SAFELY

Starting fluid is highly flammable.

Keep all sparks and flame away when using it. Keep starting fluid away from batteries and cables.

To prevent accidental discharge when storing the pressurized can, keep the cap on the container, and store in a cool, protected location.

Do not incinerate or puncture a starting fluid container.



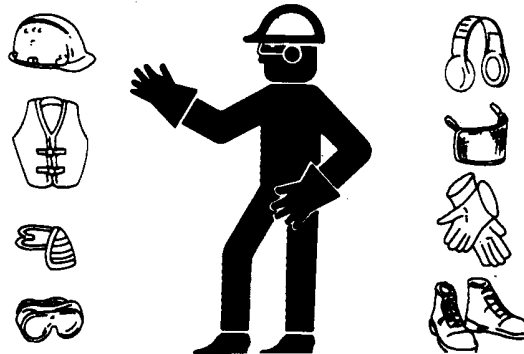
TS1356 -JUN-18MAR92

DX,FIRE3 -19-16APR92-1/1

### WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



TS206 -JUN-23AUG88

DX,WEAR2 -19-03MAR93-1/1

## HANDLE CHEMICAL PRODUCTS SAFELY

Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include such items as lubricants, coolants, paints, and adhesives.

A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques.

Check the MSDS before you start any job using a hazardous chemical. That way you will know exactly what the risks are and how to do the job safely. Then follow procedures and recommended equipment.

(See your John Deere dealer for MSDS's on chemical products used with John Deere equipment.)



TS1132 -JUN-26NOV90

DX,MSDS,NA -19-03MAR93-1/1

## STAY CLEAR OF HEADER

Cutting platform auger, reel, gatherer chain and stalk rolls of the corn head, etc., cannot be completely shielded due to their function. Stay clear of these moving elements during operation! Always disengage header drive, shut off the engine and remove key before servicing or unclogging header.



H42442

H42442 -JUN-10JAN91

HX,S9500SA,G -19-18MAR93-1/1

## KEEP HANDS AWAY FROM KNIVES

Never attempt to clear obstructions in front of or on the header unless separator is disengaged, engine shut off and key removed.

Everyone must be clear of the combine before starting the engine.



TS254 -JUN-23AUG88

HX,S9500SA,H -19-18MAR93-1/1



**Suggest:**

**For more complete manuals. Please go to the home page.**

**<https://www.ebooklibonline.com>**

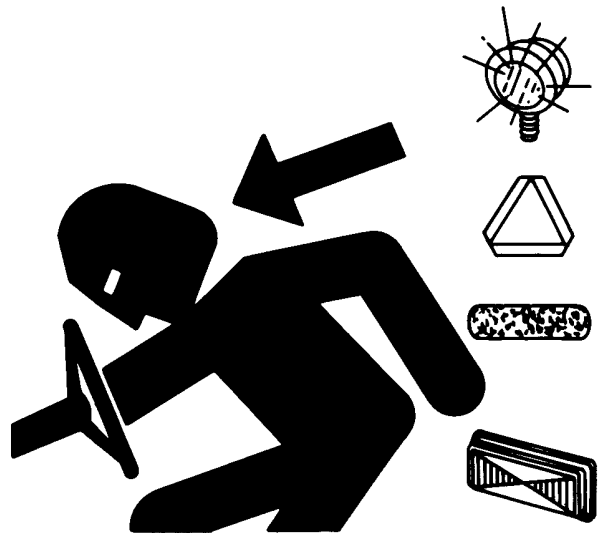
**If the above button click is invalid. Please download this document first, and then click the above link to download the complete manual.**

**Thank you so much for reading**

### USE SAFETY LIGHTS AND DEVICES

Prevent collisions between other road users, slow moving tractors with attachments or towed equipment, and self-propelled machines on public roads. Frequently check for traffic from the rear, especially in turns, and use hand signals or turn signal lights.

Use headlights, flashing warning lights, and turn signals day and night. Follow local regulations for equipment lighting and marking. Keep lighting and marking visible and in good working order. Replace or repair lighting and marking that has been damaged or lost. An implement safety lighting kit is available from your John Deere dealer.

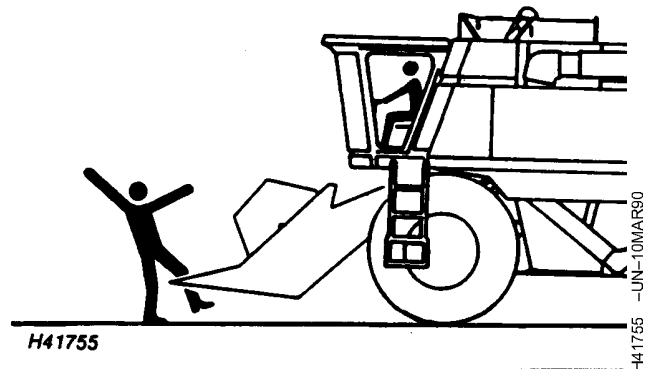


TSS951 -JUN-12APR90

DX\_FLASH -19-12SEP95-1/1

### TRANSPORT COMBINE WITH HEADER SAFELY

Before driving combine on public roads, raise the header. It must not, however, obstruct the operator's view of the road.



H41755

H41755 -JUN-10MAR90

HX\_S9500SA.I -19-18MAR93-1/1

## PRACTICE SAFE MAINTENANCE

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

Never lubricate, service, or adjust 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.



TS218 -UN-23AUG88

DX,SERV -19-03MAR93-1/1

## REMOVE PAINT BEFORE WELDING OR HEATING

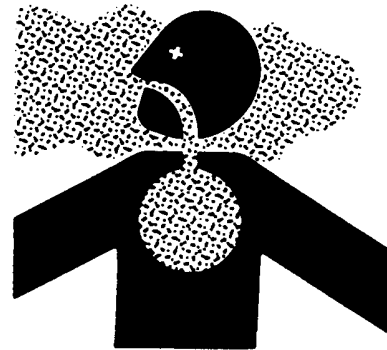
Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

Remove paint before welding or heating:

- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.



TS220 -UN-23AUG88

DX,PAINT -19-03MAR93-1/1

**<https://www.ebooklibonline.com>**

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**