

750A
No Till Drill
(3 m, 6 m)

John Deere Werke Zweibrücken
OMZ92393 Issue K7

Printed in Germany
ENGLISCH

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 and safety signs on your machine may also be available in other languages (see your John Deere dealer to order).

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing the direction the implement will travel when going forward.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification or Identification Numbers 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. File the identification numbers in a secure place off the machine.

BEFORE DELIVERING THIS MACHINE, your dealer performed a predelivery inspection. After operating for the first 50 hours, schedule an after-sale inspection with your dealer to ensure best performance.

THIS DRILL IS DESIGNED SOLELY for use in customary agricultural or similar operations ("INTENDED USE"). Use in any other way is considered as contrary to the intended use. The manufacturer accepts no liability for damage or injury resulting from this misuse, and these risks must be borne solely by the user. Compliance with and strict adherence to the conditions of operation, service and repair as specified by the manufacturer also constitute essential elements for the intended use.

THIS DRILL SHOULD BE OPERATED, serviced and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention). The accident prevention regulations, all other generally recognized regulations on safety and occupational medicine and the road traffic regulations must be observed at all times. Any arbitrary modifications carried out on this drill will relieve the manufacturer of all liability for any resulting damage or injury.

Contents

	Page		Page
Identification Views	00-1	Detaching drill from tractor	25-6
Safety	05-1	Storing ESC connector	25-7
Safety Decals	10-1	Transporting	
Operator's manual	10-1	Emptying drill for road travel	30-1
Maintenance and repair	10-1	Transporting the drill	30-2
Folding outer units	10-1	Transport width	30-4
Locking outer units	10-2	Hydraulic trailer brake	30-5
Unfolding the outer units	10-2	Trailer air brake	30-6
Markers	10-2	Trailer air brake valve	30-7
Access ladder and platform	10-2	Compressed air tank	30-7
Locking the openers	10-3	Brake cylinder for air brake	30-8
Avoid high-pressure fluids	10-3	Brake pressure test port	30-8
		Engaging parking brake	30-9
Preparing the Tractor		Operating the Machine	
For all tractors	15-1	Guidelines for use	35-1
Rockshaft selector	15-2	Adjusting opener depth	35-2
Link lengths	15-2	Hydr. down-pressure—closed-center hydraulics	35-3
Sway blocks	15-3	Hydr. down-pressure—open-center hydraulics	35-5
Selective control valve	15-3	Folding up outer units (6-m version only)	35-7
Pre-conditions	15-4	Folding/Unfolding track markers	35-8
Hydraulic fan drive system diagram	15-5	Opening seed hopper cover	35-8
Adjusting metering valves	15-6	Adjusting the track markers	35-9
Using lever lock clip (50—55 Series Tractors)	15-8	Spring pressure adjustment—press and closing wheels	35-10
Installing lever lock clip (50—55 Series Tractors)	15-9	Adjusting seed boots	35-11
		Installing the boot spring	35-11
Preparing the Machine		Adjusting closing wheel	35-12
Checking tire pressure	20-1	Operating the Pneumatic Drill System	
Installing tractor front-end weights	20-1	General description	36-1
Lubricating the drill	20-1	Adjusting hydraulic fan speed	36-1
Attaching and Detaching		Reading the setting of the metering device	36-2
with quick-coupler (two-point hitch only)	25-1	Calibrating the drill	36-3
without quick-coupler (two-point hitch only)	25-2		
Hydraulic and electrical connections	25-3		
Connecting the drill to tractor	25-4		

Continued on next page

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.

OMZ92393 K7-19-01MAR98

COPYRIGHT© 1997
DEERE & COMPANY
European Office Mannheim
All rights reserved
A John Deere ILLUSTRATION® Manual
Previous Editions
Copyright 1996, 1995 Deere & Company

<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>

Contents

	Page		Page
Calibrating with the micrometering system . . .	36-5	Alternative and synthetic lubricants	50-2
Calibration chart (Normal seed)	36-6	Lubrication symbol	50-2
Calibration chart (Fine seed)	36-7	Locking up the openers	50-3
Adjusting the tramlines	36-7	Every 10 hours	50-3
Track widths	36-8	Every 50 hours	50-3
Tramlining	36-8	Annually	50-4
Tramline rhythms	36-9	Service intervals	50-5
Checking the drill	36-11		
Operating the drill in the field	36-12	Troubleshooting	
Checking the sowing operation	36-12	Openers	55-1
Select correct ground speed, maintain fan speed	36-13	Opener down pressure system	55-3
Turning with the drill	36-13	Pneumatic drill system	55-5
Emptying seed hopper and metering device	36-14	Electronic seed-drill control (ESC)	55-7
Treated seed	36-14	Hydraulic fan drive	55-9
When not in use	36-15		
		Service	
Electronic Seed-Drill Control (ESC)		Service tires safely	60-3
Safety	40-1	Preventing contamination	60-3
Component parts of the ESC	40-1	Removing and repairing cylinders	60-4
Specifications	40-2	Laying the hydraulic lines	60-5
Function	40-3	Bleeding air from cylinders	60-6
Signal distribution box	40-4	Opener control hydraulic diagrams	60-7
Installation	40-5	Cleaning the drill	60-10
Operation and description of keypad	40-6	Checking wheel bolt/bearings	60-10
Alarm signals	40-6	Locking-up the openers	60-11
Initial operation	40-7	Installing gauge wheels	60-11
Input and changing of data	40-7	Replacing and adjusting opener disk bearing	60-12
Key in working width	40-8	Replacing and adjusting opener disk	60-14
Key in drive wheel impulses per 100 m	40-8	Replacing and adjusting gauge wheel bearing	60-16
Key in tramlining rhythm	40-9	Replacing and adjusting press wheel bearing	60-17
Allocation of tramlining rhythm	40-10	Replacing and adjusting closing wheel bearing	60-18
Tramlining rhythm manual correction	40-12	Replacing opener arm, pivot pin and bushing	60-19
Rhythms with remainder	40-13	Replacing boot	60-20
Key in fan speed	40-13	Replacing boot strap	60-22
Calibrating with the ESC	40-14	Adjusting ESC sensors	60-23
Function keys	40-15	Adjusting land wheel reed switch	60-23
Control keys	40-17		
Data on the display	40-18	Storage	
Un-coupling the drill	40-19	Preparing drill for storage	65-1
		Storing the pneumatic drill system	65-1
		Removing drill from storage	65-2
Attachments			
Open-center tractor	45-1	Specifications	
Open-center change valve	45-1	Tractor recommendations	70-1
Track marker electromagnetic-valves	45-1	Specifications	70-1
Wheel chocks	45-1		
Road light kit	45-2		
Lubrication and Periodic Service			
Grease	50-1		

Continued on next page

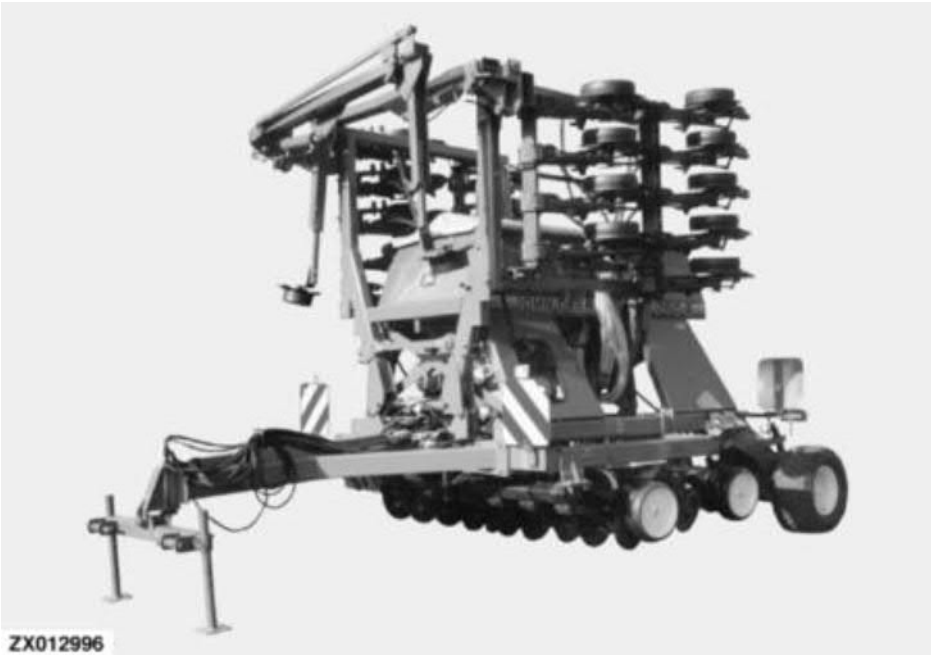
Contents

Page

Serial number plate	70-2
Serial number	70-3

Index

Identification Views



ZX012996

750A Drill, 6 m Version

-JUN-02DEC97
ZX012996



ZX012997

750A Drill, 3 m Version

-JUN-02DEC97
ZX012997

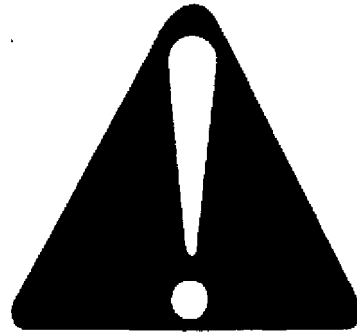
ZX_OM750A010172-19-01NOV97

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

T81389 -UN-07DEC68

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.



DX,SIGNAL -19-03MAR93

TS187 -19-30SEP88

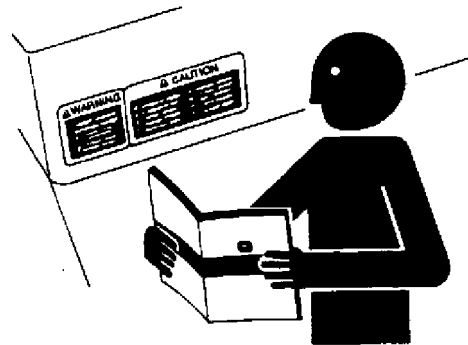
FOLLOW SAFETY INSTRUCTIONS

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. 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.



DX,READ -19-03MAR93

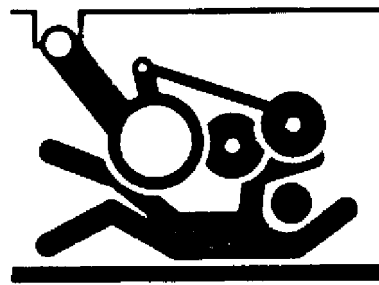
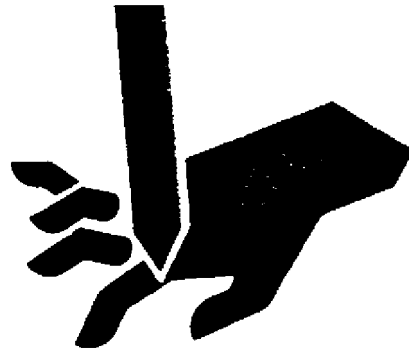
TS201 -UN-23AUG88



OPERATE SAFELY

Always keep hands away from opener blades during opener adjustment.

Always lock-up opener lift cylinder(s) before performing any maintenance or adjustments under machine.



N39627 -UN-22SEP88

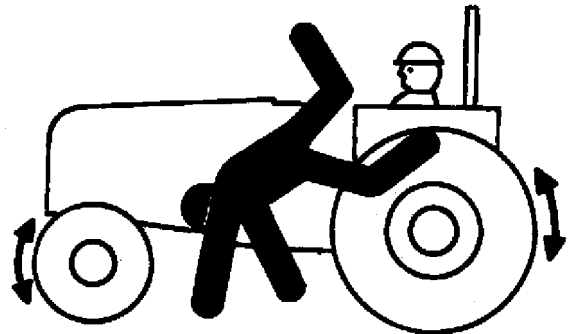
N39645 -UN-06OCT88

NX,750,C4 -19-21MAR89

KEEP RIDERS OFF MACHINE

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

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



TS290 -UN-23AUG88

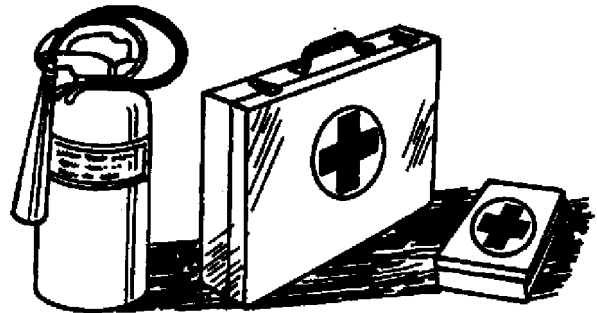
DX,RIDER -19-03MAR93

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 -UN-23AUG88

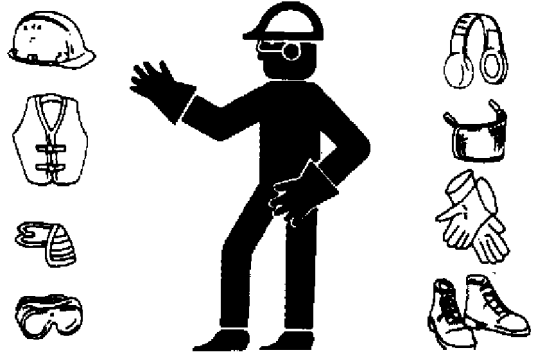
DX,FIRE2 -19-03MAR93



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.



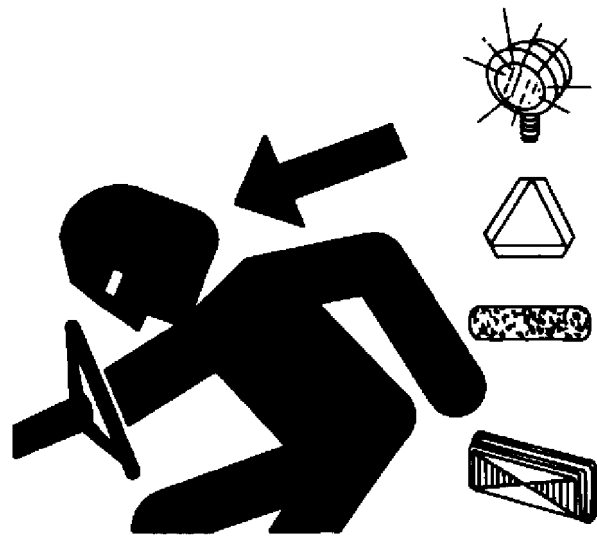
DX,WEAR2 -19-03MAR93

TS206 -UN-23AUG68

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.



DX,FLASH -19-12SEP95

TS951 -UN-12APR90



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



TRANSPORT SAFELY

Shift tractor into lower gear when transporting down steep slopes or hills.

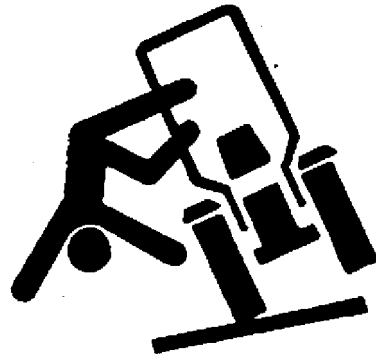
Make sure reflectors and SMV emblem are easily visible from rear.

Stop slowly.

Always empty all seed and/or fertilizer before transporting drill. DO NOT exceed 16 km/h (10 mph) if drill is not empty.

Always lock-up opener lift cylinder(s) before transporting drill. Hydraulic failure can allow openers to fall rapidly.

If the drill is equipped with marker arms, make sure that arms are locked in raised position before transporting drill.



N39084 -UN-30MAR89

ZX,750,C5 -19-01JUL95



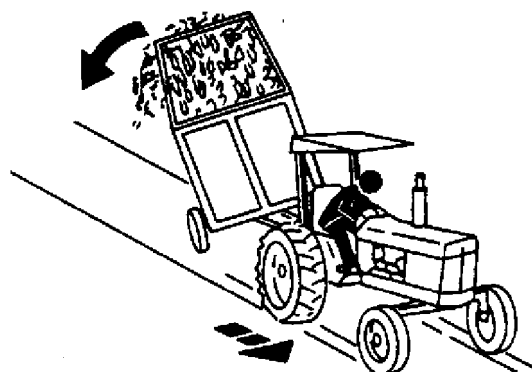
TOW LOADS SAFELY

Stopping distance increases with speed and weight of towed loads, and on slopes. Towed loads with or without brakes that are too heavy for the tractor or are towed too fast can cause loss of control. Consider the total weight of the equipment and its load.

Observe these recommended maximum road speeds, or local speed limits which may be lower:

- If towed equipment does not have brakes, do not travel more than 32 km/h (20 mph) and do not tow loads more than 1.5 times the tractor weight.
- If towed equipment has brakes, do not travel more than 40 km/h (25 mph) and do not tow loads more than 4.5 times the tractor weight.

Ensure the load does not exceed the recommended weight ratio. Add ballast to recommended maximum for tractor, lighten the load, or get a heavier towing unit. The tractor must be heavy and powerful enough with adequate braking power for the towed load. Use additional caution when towing loads under adverse surface conditions, when turning, and on inclines.



TS216 -UN-23AUG68

DX,TOW

-19-02OCT95

<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>