

MaxEmerge® 2 Plate Metering Units



JOHN DEERE

OPERATORS MANUAL MaxEmerge® 2 Plate Metering Units

OMH136459 B7 English

John Deere Harvester Works
OMH136459 B7

LITHO IN U.S.A.
ENGLISH



Introduction



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.

“Right-hand” and “left-hand” sides are determined by facing in the direction the machine will travel when in use.



The machine is of metric design.

For your convenience, most specifications are given in metric measurement with the customary U.S. measurement following.

Some specifications cannot be converted. These appear in metric only.

The machine hardware is metric. Specified metric hardware must be used for replacement.



CAUTION: Use only metric tools on metric hardware and standard tools on standard hardware. Otherwise tools may not fit properly. They may slip and cause injury.

Record your machine serial number in the space provided in Specification section. Your dealer needs this information to give you prompt, efficient service.

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

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Safety Signs

FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Follow recommended precautions and safe operating practices.

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



AB6;TS188 053;SIGNS 071085

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

Safety

OPERATE THE PLANTER SAFELY

Be careful when operating planter to avoid injury.

If the planter must be in raised position while working on or near it, be certain service locks are installed.

Never ride or permit others to ride on the drawbar of the tractor or on the planter.

Serious injury or death can result from contact with electric lines. Use care when moving or operating this machine near electric lines to avoid contact.

Be careful when operating on hillsides; tractor can tip sideways if it strikes a hole, ditch or other irregularity.

Permit only one person, the operator, on tractor platform while tractor and planter are in operation.

Lower planter completely to the ground before unhitching from the tractor. Be sure planter is on a level and firm surface.

B21;;1SA A 231086

LUBRICATE THE PLANTER SAFELY

Do not grease, oil or adjust the planter while it is in motion.

AP0; B05;;13SA C 090384

TRANSPORT SAFELY

Engage and secure transport locks before transporting.

Install marker lockup straps.

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.

While transporting planter on public roads, follow safety instructions outlined under "Transporting".

Use care when transporting across rough ground.

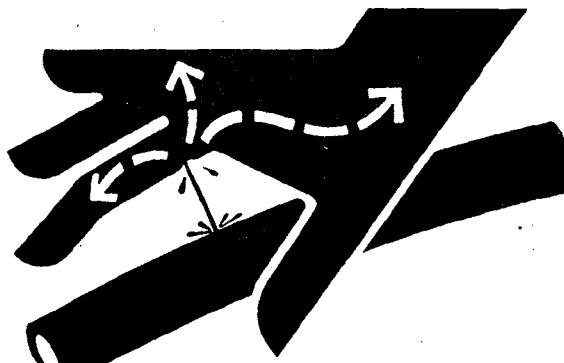
Serious injury or death can result from contact with electric lines. Use care when moving or operating this machine near electric lines to avoid contact.

B21;;1SA B 231086

AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting 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 010586

HANDLE CHEMICALS PROPERLY

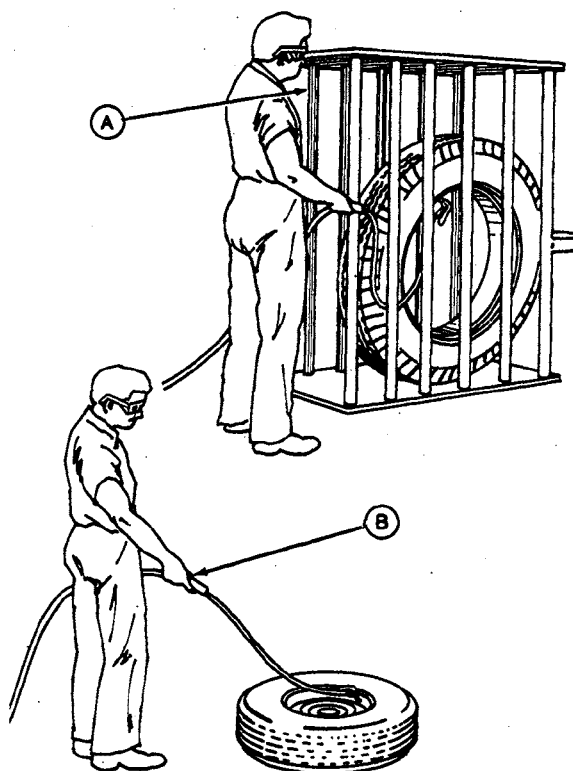
Agricultural chemicals can be dangerous. Improper selection or use can injure persons, animals, plants, soils or other property. BE SAFE: handle and apply with care. Follow instructions of the chemical manufacturer.

AP0; B05;;13SA D 090384

SERVICE TIRES SAFELY

Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified tire repair service.

When sealing tire beads on rims, never exceed 35 psi (241 kPa) (2.4 bar) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead and reinflate.



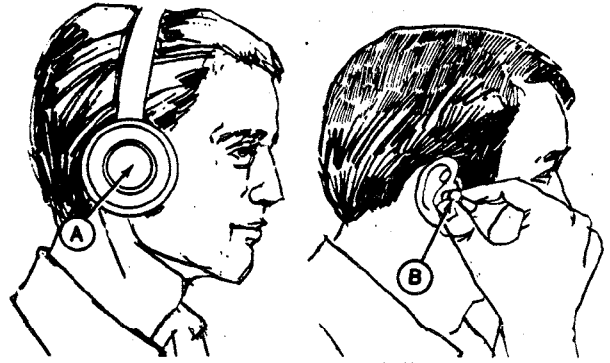
- A—Use a Safety Cage if Available.
- B—Do Not Stand Over Tire. Use a Clip-on Chuck and Extension Hose.

AB6;TS123 053;TIRE 160486

PROTECT AGAINST NOISE

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.



AB6;X7662 053;NOISE 270886

DO NOT MODIFY THE PLANTER

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

AP0; B05;;13SA F 090384

USE IMPLEMENT WARNING LIGHTS

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

AT6; B06;;14SA F 030284

Preparing for Use

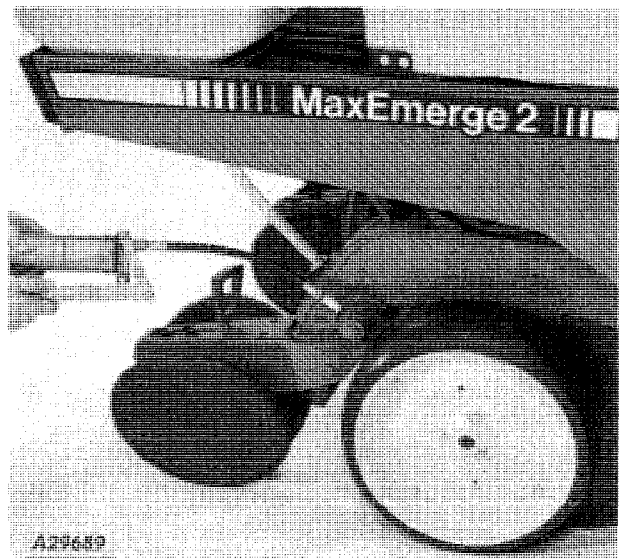
TIRE INFLATION

Inflate tires to 359 kPa (3.6 bar) (52 psi) of air pressure.

B22;;7PU A 181185

LUBRICATION

Be sure your planting units have been properly lubricated.
(See Lubrication section.)



026;A29689 B22;;7PU B 191185

READ YOUR PLANTER OPERATOR'S MANUAL

Read the Preparing for Use section in your planter operator's manual for related information on seed meter.

B22;;7PU G 191185

SELECTING SEED PLATES

As growing conditions change from year to year, the size of the seed may vary. Therefore, different seed plates may be required to plant the same variety of seed from year to year.

There are two ways to select seed plates:

1. Follow the recommendations of the seed supplier.
2. Take a sample of the seed to be planted to a John Deere dealer and let him recommend the seed plates.

The accuracy of the seed plate selected should be checked when installed in your planter and operated at the planting speed you intend to travel. The best check is to plant a short distance at the desired planting speed and then stop to dig up the seeds to determine the actual planting rate. (See MAKING FIELD CHECKS in Operating Seed Meter Section.)

For a given spacing and travel speed, a 24-cell seed plate revolves slower than a 16-cell seed plate, resulting in better cell fill. It is recommended that a 24-cell seed plate be used in all cases when available.

NOTE: See seed spacing conversion charts for 16-, 20-, and 24-cell seed plates in Operating Seed Meter Section.

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