

# MAXEMERGE® 2 VACUUM METERING UNITS



JOHN DEERE

## OPERATORS MANUAL MAXEMERGE® 2 VACUUM METERING UNITS

OMH136461 B7 English

JOHN DEERE HARVESTER WORKS  
OMH136461 B7

LITHO IN THE U.S.A.  
ENGLISH

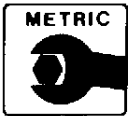


# Introduction



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

## 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.

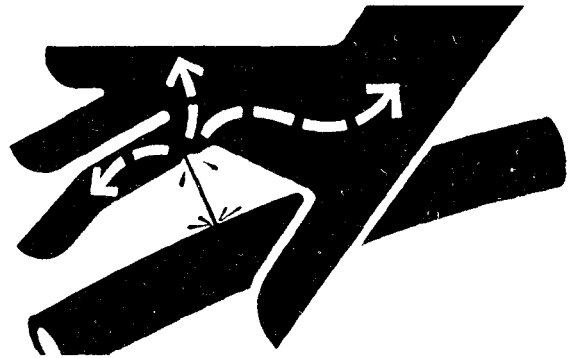
Serious injury or death can result from contact with electric lines. Use care when moving or operating this machine near electric lines to avoid contact.

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

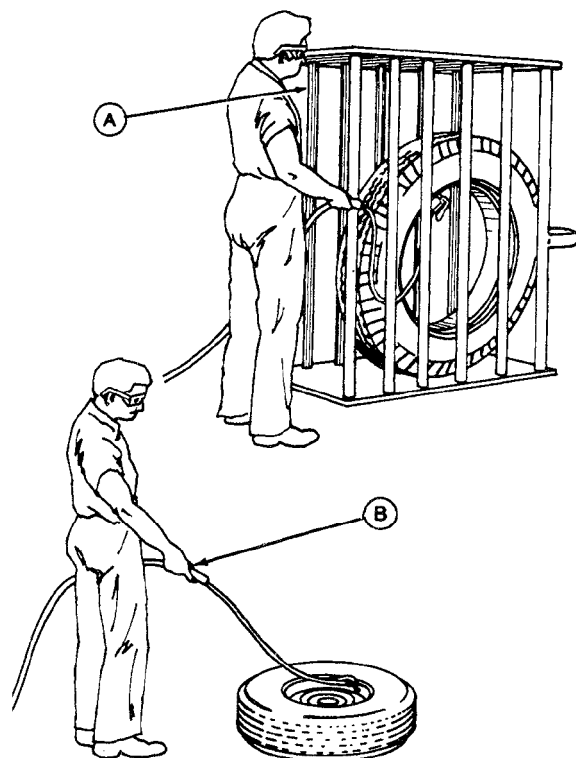
Agricultural chemicals can be dangerous. Improper selection or use can injure persons, animals, plants, soils or other property. BE SAFE: handle and apply with care. Follow instructions of the chemical manufacturer.

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.



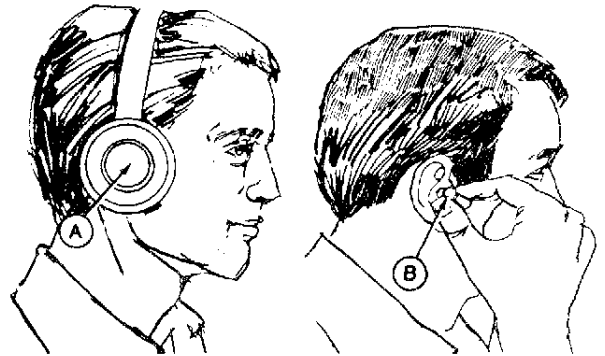
- A—Use a Safety Cage if Available.
- B—Do Not Stand Over Tire. Use a Clip-on Chuck and Extension Hose.

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.



AR6;X766? 053;UO;SF 270886

### DO NOT MODIFY THE PLANTER

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

AP0; B05;;135A 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;;145A F 030284

# 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

# Preparing for Use

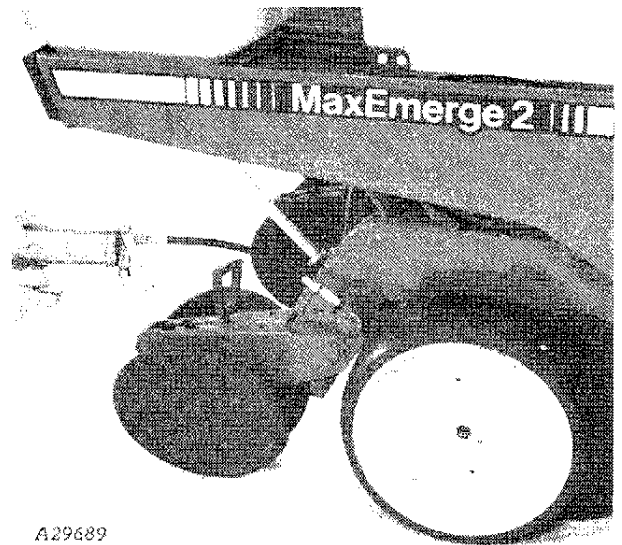
## TIRE INFLATION

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.)



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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



## CHOOSING SEED AND SELECTING SEED DISKS

The vacuum seed meter will accurately plant most sizes of corn, acid-delinted cotton, sorghum/milo, soybean seed, sugar beets, sunflower seed, and popcorn.

You can improve your planter's planting accuracy by choosing the size seed which is most favorably suited to the vacuum metering system. If possible, select the following size seeds:

**CORN**—Medium small to medium large rounds, flats and plateless mixes. (Small corn seed can be accurately planted with Small Corn Seed Disk. See SELECTING SEED DISKS in this section.)

**ACID-DELINTED COTTON**—All sizes.

**SORGHUM-MILO**—22 000 to 35 300 seeds/kg (10,000 to 16,000 seeds per lb.).

**SOYBEANS**—All sizes.

**SUGAR BEET**—Mono-germ beet seeds, ranging in sizes from 6-1/2/64 to 10/64 in..

**SUNFLOWER SEED**—Size 4 (small), 3 (medium) and 2 (large) oil sunflower seeds. Size 1 (extra large) and size 5 (extra small) and confectionary sunflower seeds are not recommended for use with this seed disk.

**POPCORN**—Sizes up to 11 467 seeds/kg (5200 seeds/lb.).

*NOTE: If hopper box treatments are used, dry powder or fast drying liquid treatments are recommended. Be sure to follow manufacturer's recommendations.*

**IMPORTANT: Hopper-applied, oil-based seed treatments may reduce vacuum meter performance and are not recommended.**

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