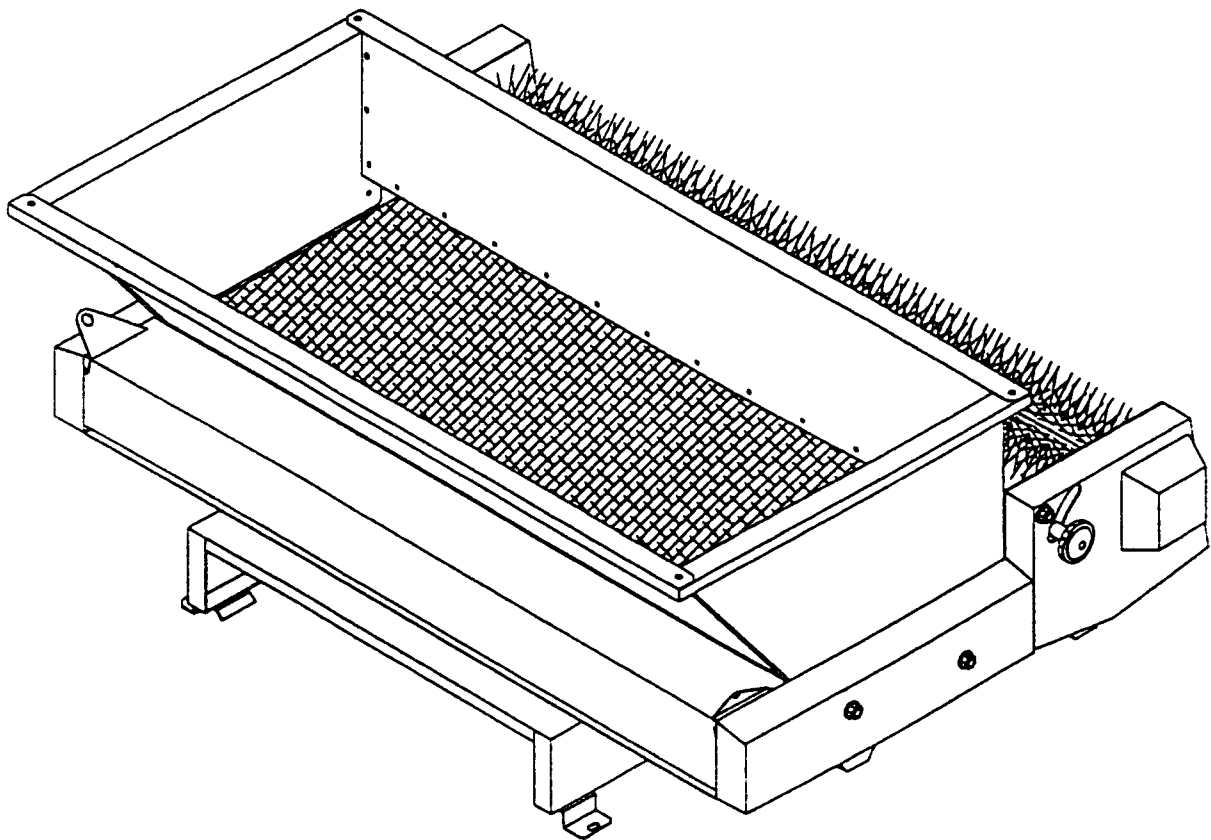


TORO[®]

MODEL NO. 44220—60001 & UP
MODEL NO. 44220TE—60001 & UP

**OPERATOR'S
MANUAL**

TOPDRESSER 1800



Foreword

Thank you for buying a high-quality Toro turf care product. To get the best performance from this machine, operate and maintain it according to the instructions in this manual.

Toro also wants to stress the importance of safety. You and anyone else using or maintaining this machine are strongly urged to read this manual, especially all the safety instructions.

DANGER, WARNING and CAUTION, used with the triangular safety alert symbol, highlight safety messages. Always read and understand these messages because they relate to personal injury and your safety.

If you ever need help or have questions about your new Toro turf care product, contact your local Authorized Toro Distributor. The Toro Distributor has a complete supply of replacement parts, a full line of accessories and a professional service staff to support you. Keep your Toro all Toro. Buy genuine Toro parts and accessories.

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Safety Instructions

SAFETY INSTRUCTIONS

The safety alert symbol means CAUTION, WARNING or DANGER -personal safety instruction". Read and understand the instruction because it has to do with safety. Failure to comply with the instruction may result in personal injury.

BEFORE OPERATING

1. Read and understand all operating and safety instructions. Before operating this unit, become familiar with all controls and know how to stop quickly.
2. Read and understand all operating and safety instructions in the Operator's Manual for the Toro Workman .
3. Before each use, be sure all bolts and nuts are tight. Always make sure topdresser mounting pins and fasteners are in place and secure.
4. Do not modify this equipment in any manner.
5. Keep all shields, safety devices and decals in place. If a shield, safety device or decal is malfunctioning, illegible or damaged, repair or replace before operating the machine. The front 1/3 area of the Workman cargo zone must be covered by a 1/3 attachment or shield when using the topdresser
6. This vehicle is designed to carry Only You, the operator, and One Passenger in the seat provided by the manufacturer. NEVER carry passengers on the machine, and keep everyone away from the areas of operation.
7. NEVER allow children to operate the machine. Do not allow adults to operate the machine without proper instructions. Only trained and authorized persons should operate this vehicle. Anyone who operates the vehicle should have a motor

vehicle license.

8. Make sure all hydraulic fittings are tight and all hydraulic hoses are in good condition before operating this unit.

WHILE OPERATING

9. Keep hands and feet out of hopper when unit is operating or engine is running on vehicle.
10. Operator and passenger should remain seated whenever the vehicle is in motion.
11. Using the machine demands attention. Failure to operate vehicle safely may result in a accident, tipover of vehicle and serious injury or death. Drive carefully. To prevent tipping or loss of control:
 - A. Use extreme caution, reduce speed and maintain a safe distance around sand traps, ditches, creeks, ramps, any unfamiliar areas or other hazards.
 - B. Watch for holes or other hidden hazards.
 - C. Use caution when operating vehicle on a steep slope. Normally travel straight up and down slopes. Reduce speed when making sharp turns or when turning on hillsides. Avoid turning on hillsides whenever possible.
 - D. Use extra caution when operating vehicle on wet surfaces, at higher speeds or with a full load. Stopping time will increase with a full load. Shift into a lower gear before starting up or down a hill.
 - E. Avoid sudden stops and starts. Do not go from reverse to forward or forward to reverse without coming to a complete stop.

- F.** Do not attempt sharp turns or abrupt maneuvers or other unsafe driving actions that may cause a loss of vehicle control.
 - G.** Before backing up, look to the rear and assure no one is behind. Back up slowly.
 - H.** Watch out for traffic when near or crossing roads. Always yield the right of way to pedestrians and other vehicles. This vehicle is not designed for use on streets or highways. Always signal your turns or stop early enough so other persons know what you plan to do. Obey all traffic rules and regulations.
 - I.** Always watch out for and avoid low overhangs such as tree limbs, door jambs, overhead walkways, etc. Make sure there is enough room over head to easily clear the vehicle and your head.
 - J.** If ever unsure about safe operation, STOP WORK and ask your supervisor.
- 12.** When loading with sand, distribute load evenly. Operate vehicle with extra caution when the hopper is full of sand. Keep load balanced to prevent it from shifting.
- grene may result.
- 16.** To make sure entire machine is in good condition, keep all nuts, bolts and screws properly tightened.
 - 17.** To reduce potential fire hazard, keep the engine of the Workman free of excessive grease, grass, leaves and accumulation of dirt.
 - 18.** If the engine must be running to perform a maintenance adjustment, keep hands, feet, clothing, and any parts of the body away from the engine and any moving parts. Keep everyone away.
 - 19.** If major repairs are ever needed or assistance is required, contact an Authorized TORO Distributor.
 - 20.** To be sure of optimum performance and safety, always purchase genuine TORO replacement parts and accessories. Replacement parts and accessories made by other manufactures could be dangerous. Altering this vehicle in any manner may affect the vehicle's operation, performance, durability or its use may result in injury or death. Such use could void the product warranty of The Toro Company.

MAINTENANCE

- 13.** Before servicing or making adjustments to the topdresser stop engine of Workman, set parking brake and remove key from engine to prevent accidental starting of the engine.
- 14.** Make sure all hydraulic line connectors are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- 15.** Keep body and hands away from pin hole leaks or nozzles that eject hydraulic fluid under pressure. Use paper or cardboard, not hands to search for leaks. Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin and do serious damage. If fluid is injected into skin it must be surgically removed within a few hours by a doctor familiar with this form of injury or gan-

Specifications

Dimensions:

Height: 28" (71 cm)
Length: 50" (127 cm)
Width: 68" (1 73 cm)

Hopper

Dimensions:

Height: 16" (41 cm)
Top Length: 31" (79 cm)
Bottom Length: 20" (51 cm)
Width: 60" (1 52 cm)

Hopper Capacity: 18 cubic feet (.5m³)

Spreading Width: 1.52 m

Top Dressing Speed: Varies depending on desired application rate.

Conveyor Belt: Continuous 1.52 m wide composition belt with heavy duty polyester cord.

Metering Gate: Infinitely variable from closed to 3" (7.6 cm) opening for light to heavy applications.

Drive: Hydraulic driven with Workman remote hydraulics.

Shipping Weight: 700 lbs. (261 kg)

Dry Weight: 650 lbs. (242 kg)

Before Operating

CHECK THE HYDRAULIC SYSTEM

1. Visually inspect the hydraulic system for leaks, loose fasteners, missing parts, improperly routed lines. Make all repairs before operating.
2. Assure both quick couplers are full engaged.

Controls

GATE CONTROL(Fig. 6) ,

The black knob on the left side of the unit, near the brush, is used to lock the gate into the desired open height position.

1. Loosen the black knob enough to allow it to pivot freely in the slot.
2. Set the gate into the desired position and tighten the black knob to lock into position.

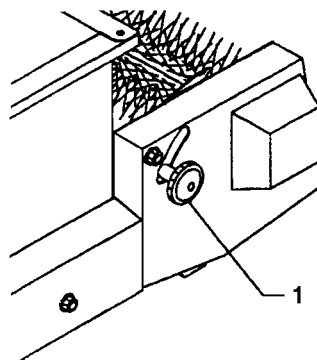


Figure 1

1. Black knob

Operating Instructions

WARNING

Rotating parts can grab or pinch. Stay clear of brush and conveyor belt while unit is running.

Safe operation begins before taking the vehicle out for a day's work. Read and understand the operating instructions in the Toro Workman operator's manual before using the topdresser.

CAUTION

The interlock switches are for the operator's protection, so do not bypass them. Check operation of the switches daily to assure interlock system is operating on the Workman. If a switch is malfunctioning, replace it before operating. Regardless whether switches are operating properly or not, replace them every two years to assure maximum safety. Do not rely entirely on safety switches - use common sense!

1. Sit on operator's seat and engage parking brake.
2. Disengage PTO (if so equipped) and return hand throttle lever to OFF position (if so equipped).

3. Move shift lever to NEUTRAL position and depress clutch lever.
4. Insert key into ignition switch and rotate it clockwise to start the engine. Release key when engine starts.
5. Practice starting, driving and stopping the Workman. Always read and understand the operator's manual for the Workman before using this unit.
6. Place sand or other topdressing material in the hopper. The maximum volume of material that can be put into the hopper is 18 cubic feet. Generally, sand weighs 100 pounds per cubic foot and could overload the Workman if more than 1400-1500 pounds are loaded into the hopper.

IMPORTANT NOTE: When any other attachments, such as the HD Hitch frame, are installed on the Workman while using the 1800 Topdresser, the weight of those attachments must be subtracted from the payload capacity of the hopper.

A method for determining the total weight of your attachments would be to place the rear tires on a

scale. The maximum weight capacity of the rear axle of the Workman is 2600 pounds.

7. Transport to the area to be topdressed.
8. Open the gate arm to the desired rate. Lock into position with the black knob.
9. Move the shift lever into "LO" range position. Select the desired forward speed and begin moving.
10. Pull the Remote Hydraulic Lever back to the "RUN" position. The unit is now topdressing.



WARNING

As a general rule, position the weight of the load evenly from front to rear and evenly from side to side.

Transporting or topdressing with a full load can cause shifting of the sand. This shifting happens most often while turning, going up or down hills, suddenly changing speeds or while driving over rough surfaces. Shifting loads can lead to tipovers. Use caution when transporting or topdressing with a full load.

Heavy loads increase stopping distance and reduce your ability to turn quickly without tipping over.

NEVER tilt the Topdresser Bed for maintenance with any material in the hopper. Always tilt the topdresser bed with a empty hopper.



WARNING

Tipping or rolling the vehicle on a hill will cause serious injury.

If engine stalls or you lose headway on a hill, never attempt to turn vehicle around.

Always back straight down a hill in reverse gear.

NEVER back down in neutral or with the clutch depressed, using only the brakes.

NEVER add sideboards or panels to the top of the hopper to increase the load capacity. The additional weight will cause tipping or rolling of the vehicle and lead to serious injury.

NEVER drive across a steep hill, always drive straight up or down. Avoid turning on a hill. Don't "drop the clutch" or slam on the brakes. Sudden speed change can initiate tipover.

SAND APPLICATION RATE

The rate of sand being applied depends on the weight of the sand. Sand varies in moisture and coarseness which effects the weight. These factors must be taken into consideration when determining the amount of sand required for the application. Test a small area to determine the correct amount.

Maintenance

LUBRICATION

BEARINGS (Fig. 2)

The topdresser has five self-sealing bearings that must be lubricated with a No. 2 Lithium based grease.

IMPORTANT: Lubricate the bearings to maintain a slight leakage on the seals. Too much grease can cause overheating.

DRIVE CHAIN (Fig. 2)

Always maintain a tight coat of grease on the drive chain.

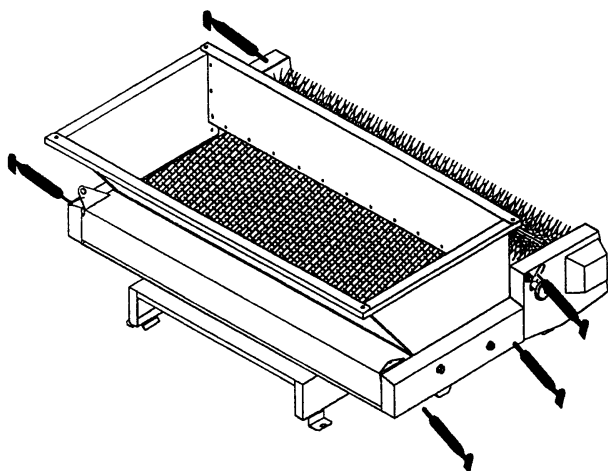


Figure 2

SEASONAL STORAGE

1. Thoroughly clean the topdresser especially inside the hopper. The hopper and conveyor belt area should be free of any remaining sand particles
2. Tighten all fasteners.
3. Lubricate all grease fittings and bearings. Wipe off excess lubricant.
4. The unit should be stored out of the sun to prolong the life of the conveyor belt. If stored outside it is recommended to cover the hopper with a tarp.
5. Check the tension of the drive chain. Adjust the tension if necessary and lightly coat the chain with grease. Refer to the Maintenance section.
6. Apply a light coat of silicone to the lacing of the conveyor belt. Refer to Maintenance section.

Identification and Ordering

MODEL AND SERIAL NUMBER

The TORO TOPDRESSER 1800 has two identification numbers: a model number and serial number. The two numbers are stamped on a plate which is riveted on the main frame. In any correspondence, supply model and serial numbers to be sure that the correct information and replacement parts are obtained.

To order replacement parts from an authorized TORO Distributor, supply the following information:

1. Model and serial numbers of the machine.
2. Part number, description and quantity of parts desired.