



## Technical File for Machinery

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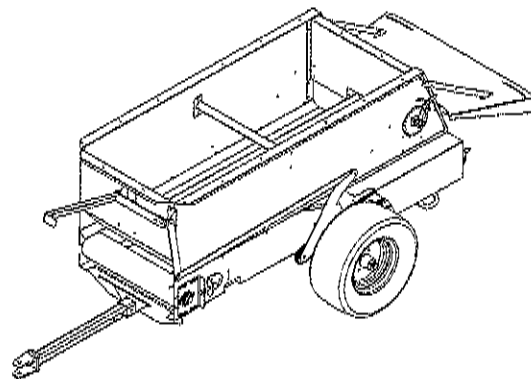
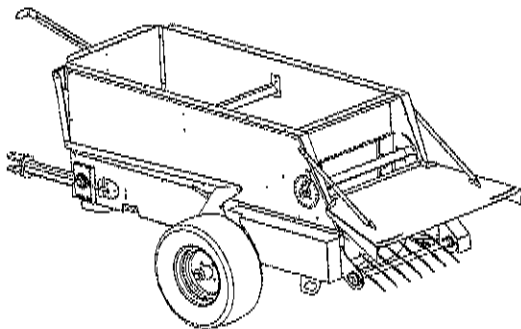
### **Model 220 MultiSpread™ Topdresser**

This is a technical file documenting the procedures and actions taken by Earth & Turf Products, LLC to comply with European Directives for safety and operation. This document is comprised of six sections:

- 1.) General Description of the Machine
- 2.) Operation of the Machine (Excerpt from the Owner's Manual)
- 3.) Conformity of the Machine
  - a. Risk Assessment
  - b. Protective Measures
- 4.) Safety Standards Implemented (On File)
- 5.) Instructions for the Machine (Owner's Manual)
- 6.) EC Declaration of Conformity

### **General Description of the Machine**

The Model 220 is a ground-drive topdresser spreader which takes power from both of its two wheels. Using a rubber apron belt and wide-spread paddle beater, it spreads a variety of materials — topdressing for lawns, athletic fields, infield mix for baseball infields, chips on pathways and salt-sand or grit on sidewalks and driveways. Capacity is 15 cubic feet; spread width up to 60 inches.



## **Operation of the Machine**

Adjust the MultiSpread draw bar to the proper length to allow room for the tractor to make turns without the rear tractor wheel contacting the spreader. With the unit secured to avoid rolling or dropping on personnel during adjustment, remove the bolt at the base of the draw bar and position it in one of the four holes. Reinstall bolt in the proper hole. Hook the completely assembled MultiSpread to the tractor's tow bar using a hitch pin with a safety clip pin. Adjust the spreader engagement handle to the proper length by loosening the two wing nuts and sliding the handle in or out for easy operator access. Make sure handle does not contact operator or tow unit during turns. Retighten all hardware. Adjust the metering gate at the back of the spreader to obtain proper material flow and to achieve the desired spread thickness. The adjustment is accomplished by pulling the round knob to release the spring-loaded catch pin from its hole in the disc, then rotating the adjuster for proper endgate height. Release the pin and make sure it has been reset into one of the available adjustment holes. Loading the hopper can be accomplished with a hand shovel or with a tractor type loader. When loading with a tractor type loader, avoid lifting bucket higher than necessary to empty bucket. Discharge material from the bucket slowly to avoid damage to the spreader. Materials, such as sand, may not be heaped above hopper sides. Material, such as compost, will allow for some heaping. Drive tractor to the spreading area. Engage the traction drive lever. The traction drive lever will allow a chain to drop onto a drive sprocket, thus causing both wheels to activate apron belt and beater, to begin spreading hopper contents. Start forward motion to begin operation. The topdresser should be towed at speeds between 7 and 10 km to insure proper material spread pattern. Use a wide turning radius to avoid damage to the unit. Always be sure to slow down while engaging and disengaging the spreader.

## **Conformity of the Machine**

The manufacturer confirms that we have taken the necessary steps to meet all European Safety Directive requirements. The nature of the Model 220 Topdresser is simple and easily understood. Power transmission parts are clearly dangerous and are properly shielded.

### *Principles of Safety Integration*

The Model 220 MultiSpread™ topdresser is designed and constructed in a manner which allows for proper adjustments and maintenance without putting persons at risk. This also includes normal and unforeseen situations of reasonable misuse for the entire projected life of the machine.

### *Materials*

The materials used to construct the Model 220 MultiSpread™ topdresser are steel in nature and pose no harm to pedestrians, operators, or the environment.

### *Handling Starting & Stopping*

The machine is 2-wheel ground driven and will only move or operate when the attached tractor pulling it is engaged and running.

### *Risk of Loss of Stability*

As with any towed implement, the loaded spreader must weigh less than the tractor or other

vehicle pulling it. The operator is made aware of the dangers of pulling the machine when traveling transversely across undulating terrain greater than 5 degrees.

#### *Risk of Break-up During Operation*

All moving parts associated with the operation of the Model 220 MultiSpread™ topdresser are covered and determined to be robust enough to safely contain any reasonable operational deconstruction that may occur.

#### *Risk Due to Ejecting Objects*

When the machine is required to be transported, the operator is instructed to disengage the ground drive. Failure to do so will result in flying debris from the spinning wide-spread beater and possible injuries.

#### *Risks Related to Moving Parts*

The natural function of the Model 220 MultiSpread™ topdresser involves the movement of its floor apron and wide-spread beater. These items pose a danger to pedestrians who approach the machine with total disregard to the obvious danger. The bed of the machine provides ample protection against any reasonable danger these items may pose. In addition, the operator's manual instructs the tractor driver to not utilize machine with pedestrians close by.

#### *Moving Drive Parts*

All moving drive parts are covered and pose no threat to pedestrians who maintain the instructed safe distance from the Model 220 MultiSpread™ topdresser during operation.

#### *Fixed Guards*

All guards used to cover moving drive parts are fixed using bolts of various sizes and require wrenches and tools for removal.

#### *Risks Due to Noise or Vibration*

The vibration and noise produced by the Model 220 MultiSpread™ topdresser are not threatening to the operator or pedestrians. Tests have shown the tractors to be the main source of noise when the Model 220 MultiSpread™ topdresser is being used.

#### *Machine Maintenance*

All maintenance procedures can be performed on the Model 220 MultiSpread™ topdresser as instructed by the operator's manual with reasonable safety.

#### *Information and Warning Devices*

All foreseeable dangers to pedestrians and operators are displayed as required by decals on the machine and addressed further inside the operator's manual.

**EC DECLARATION OF CONTFORMITY**  
**According to EC Directive 2006/42/EC**

Manufacturer Name: Earth & Turf Products, LLC  
Manufacturer Address: 112 S. Railroad Ave., New Holland, PA 17557, USA  
Product Name: Topdresser  
Model: Model 220  
Serial No.:  
Manufactured Year: 2014  
Brand Name: Earth & Turf

Has been designed and manufactured in according to the following technical regulation:

<u>Directive</u>	<u>Date of Compliance</u>
2006/42/EC	January 2010

Confonnity with the following standards:

Standard	Title	Date of Compliance
EN ISO 12100:2010	Safety of machinery -basic general principles -risk assessment	January 2010
EN ISO 4254-5:2009	Agricultural machinery. Safety.	January 2010
EN ISO 13857~2008	Safety distances to prevent hazard zones being reached	January 2010

The measurements made in accordance with the procedures according to the European Council Directive and EN standards

Directive Device

Machinery Directive: 2006/42/EC

CE Mark Years: 14

Exported By: DALTON COOPER, 68 Forest Ave, Locust Valley, NY 11560

The products which are defined herein were manufactured under the condition of the European Union directive and standards. Also, the product responsibility is under our firm's guarantee.

Manufacturer: EARTH & TURF PRODUCTS, LLC  
Date:

Name: John A. Bentley  
Job: President

Signature:.....

## **Instructions for the Machine**

Operator must read before using unit:

**KEEP HANDS AWAY** from any moving parts of the spreader during operations.

**NEVER** run spreader unless all guards are securely tightened in proper position.

**NEVER** repair any parts or make any adjustments while machine is in motion.

**NEVER** wear loose clothing around any moving parts of the machine.

**NEVER** allow anyone to ride spreader.

Failure to heed the above warnings may result in personal injury or death.