

**TORO**

# Service Manual

## Greensmaster® 3000/3000-D

### Preface

The purpose of this publication is to provide the service technician with information for troubleshooting, testing, and repair of major systems and components on the Greensmaster 3000/3000-D.

REFER TO THE GREENSMaster 3000 OR 3000-D TRACTOR UNIT AND CUTTING UNIT OPERATOR'S MANUALS FOR OPERATING, MAINTENANCE AND ADJUSTMENT INSTRUCTIONS. Space is provided in Chapter 2 of this publication to insert the Operator's Manuals and Parts Catalogs for your machine. Replacement Operator's Manuals are available by sending complete Model and Serial Number of tractor unit and cutting unit to:

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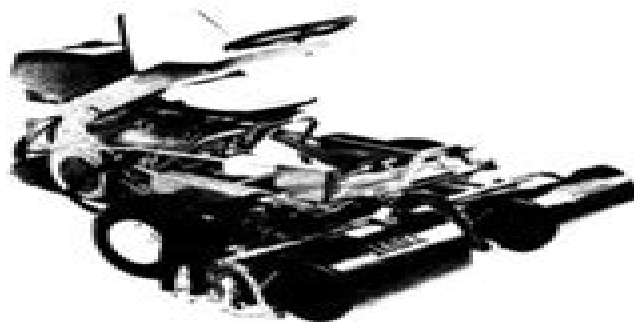
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This safety symbol means DANGER, WARNING, or CAUTION, PERSONAL SAFETY INSTRUCTION. When you see this symbol, carefully read the instructions that follow. Failure to obey the instructions may result in personal injury.

**NOTE:** A NOTE will give general information about the correct operation, maintenance, service, testing or repair of the machine.

**IMPORTANT:** The IMPORTANT notice will give important instructions which must be followed to prevent damage to systems or components on the machine.



Greensmaster 3000, Model 04350



Greensmaster 3000-D, Model 04375

# Toro Greensmaster 3000 3000 D Service Repair Workshop Manual

**Arturo Cuomo**



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web trimyristin in the major triglyceride found in nutmeg representing 20 25 of the dried weight of ground nutmeg to extract the trimyristin we performed a solid liquid extraction using the organic solvent methylene chloride  $\text{CH}_2\text{Cl}_2$

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web read standard reflux on page 201 of the organic chem lab survival manual prelab question 1 trimyristin is a triglyceride what are triglycerides prelab question 2 how do microwaves heat microwave procedure add approximately 2.5 g of ground nutmeg record exact mass and 15 ml of diethyl ether to microwave vessel

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web trimyristin is found in the fixed oil of nutmeg the fixed oil comprises approximately 24 40 of the nutmeg seed trimyristin comprises 73 of the fixed oil overall trimyristin should have percent recovery of 18 29 1 figure 1 shows how trimyristin is triester formed from the dehydration reaction between glycerol and myristic acid oh

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web purpose the purpose of this lab is to extract trimyristin from nutmeg as well as synthesizing myristic acid from the extracted trimyristin using base hydrolysis and naoh acidification using hcl is necessary to characterize the product by finding the melting point

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web in this lab trimyristin is extracted from ground nutmeg occurring in many vegetable oils as well as myristic acid trimyristin consists of long saturated hydrocarbon chains and it is relatively nonpolar thus using a relatively nonpolar solvent trimyristin can be easily extracted by the concept of like dissolves like

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