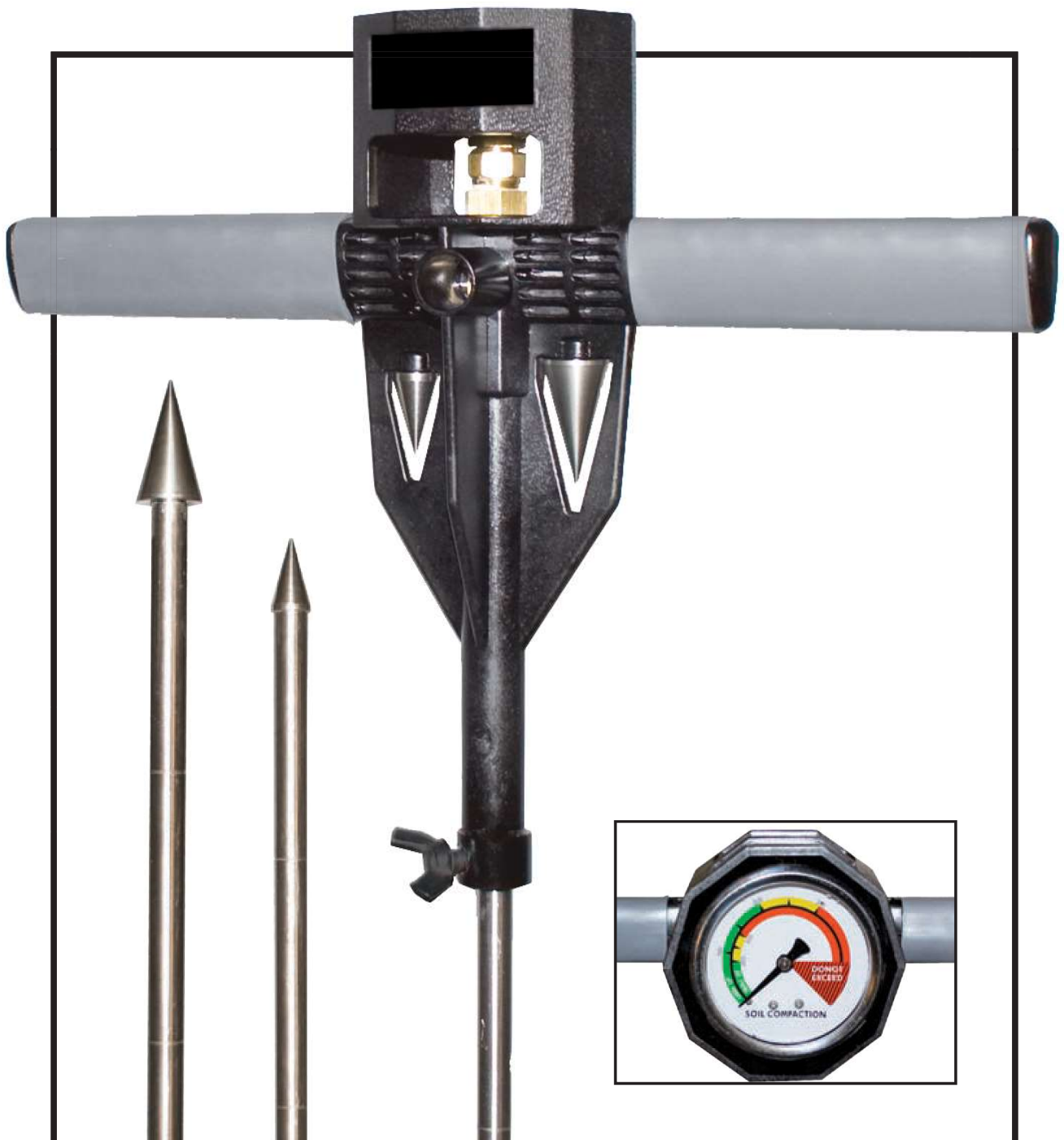


# Operators Manual

# SOIL COMPACTION TESTER



# Introduction

THANK YOU for purchasing the Soil Compaction Tester.

READ THIS MANUAL carefully to learn how to operate and service your Soil Compaction Tester correctly. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your Soil Compaction Tester and remain with the Soil Compaction Tester when you sell it.

WARRANTY is provided through Agratronix for customers who operate and maintain their Soil Compaction Tester as described in this manual.

This warranty provides you the assurance that Agratronix will back its products where defects appear within the warranty period. In some circumstances, Agratronix also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the Soil Compaction Tester be abused, or modified to change specifications, the warranty will become void and field improvements may be denied.

PROOF OF PURCHASE (retail sales receipt) must be included with returned tester to obtain free warranty service. Without proof, tester will be assumed to be out of warranty and repair costs will be invoiced.

RECORD SERIAL NUMBERS. Accurately record all the numbers somewhere in this manual and refer to it in all communication with the factory. Agratronix, the manufacturer, needs these numbers when you order parts or obtain service.

Serial No. \_\_\_\_\_

## WARRANTY

The Soil Compaction Tester is guaranteed by Agratronix to be free from defects in materials and workmanship for one year from date of retail purchase. This warranty does not cover damage resulting from misuse, neglect, accident or improper installation or maintenance. This warranty does not apply to any product which has been repaired or altered outside the factory. The manufacturer does not assume any liability for damage from misuse, dropping the tester or damage resulting from or damage caused by water or from unauthorized repair. The warranty does not cover any damage which may directly, indirectly, consequentially or incidentally result from use or inability to use the Soil Compaction Tester.

The foregoing warranty is exclusive and in lieu of all other warranties of merchantability, fitness for purpose and any other obligation or liability in connection with its product.

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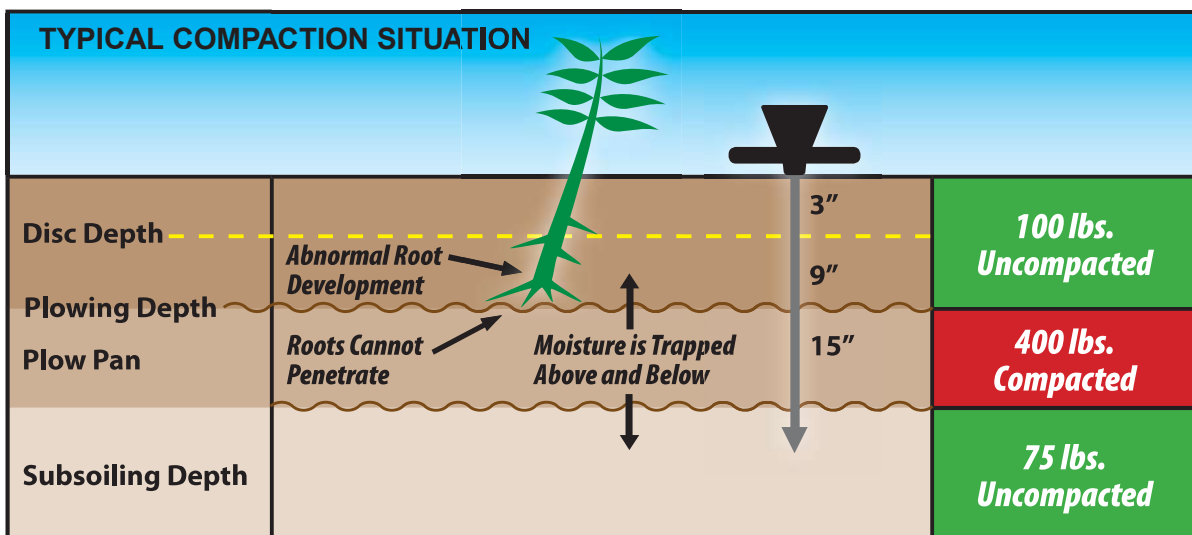
***CAUTION: The Soil Compaction Tester may cause harm if used improperly. Please use the pointed tips with care.***

# Operation

## WHAT IS SOIL COMPACTION?

Soil compaction can occur in any type of soil. Years of traffic and tillage can cause soil particles to group together and fill in air spaces in the soil creating a “plow pan” below the tillage area. When this happens, a hard layer is formed making it difficult for moisture and roots to penetrate the soil.

Some soil types are more susceptible to compaction than others; but once a compaction layer is formed, and moisture and traffic continues, the compaction layer will continue to get denser and thicker.



## WHAT ARE THE IMPACTS OF A SOIL COMPACTION PROBLEM?

1. Compacted soil is much harder to work. This will cause you to use more power and take longer to till, wasting fuel, time and money.
2. You may already be aware of soil compaction but not have the tools to determine if it is a problem. For example, unnecessarily trying to correct soil compaction by tilling to a deeper depth can be a waste of time and money.
3. Your crop yield can be reduced by as much as 50% because of poor root and plant development.