



Mottes

Tensiometers

A UNIQUE MERCURY TENSIO METER

Mottes Tensiometers are celebrating 28 years of production and worldwide success with its fabulous and unique mercury tensiometer - **the elite of the manual reading tensiometers.**

MAIN FEATURES

- As opposed to conventional tensiometers, the Mottes model does not require springs or other accessories subject to breakdown through constant wear and tear.
- The compact and efficient structure of a mercury barometer inside the Mottes tensiometer eliminates the need for special care or maintenance.
- The mercury in the reading scale remains clean **in an isolated tube (Reg. Pat.)**, so it never gets in touch with irrigation water and fertilizers, which penetrate through the ceramic sensor. Therefore, the tensiometer is able to work effectively for many years.
- Mottes Mercury Tensiometer has a unique sensitive ceramic sensor which facilitates a wide range of uses, suitable to all types of soils, from sandy soil up to the heaviest type.
- Each tensiometer is quality controlled, filled with tension-distilled-water at our laboratory, and is ready to be installed into the soil, which is what makes Mottes Tensiometers so unique.



THE SOIL SOLUTION EXTRACTOR AND THE CONCEPT

The Soil Solution Extractor which was invented by Mr. J. Mottes in 1975 has created a new concept in monitoring the plant nutrient requirements. The main idea is to enable the user to draw the soil solution directly from the plant's root zone and to carry out immediate tests on the spot. This concept provides growers with all necessary information on plant nutrient requirements. The benefit is to provide reliable in-field testing, in real time, by drawing a solution from set locations throughout the plant's entire growth period. This procedure provides growers with in-depth information on all soil fluctuations such as: Electric Conductivity, Nitrate & Nitrite, Chloride, Potassium, Phosphate, Water Hardness and pH.

All these tests are organized in a compact and handy test kits case - **The Agri Ferti Lab.**

This is a very helpful and practical set which enables the growers to easily check and then to receive the results rapidly at site without the needs for a special skill.



THE MOTTES EXTRACTOR MAIN FEATURES

- High quality porous ceramic caps, which enable superior sensitivity to draw high volumes of soil solution at short time intervals.
- The ceramic caps are duly made of inert materials, which are not effected by the incoming fertilizers. Thus, all values of the test results remain exceptionally accurate and reliable.
- Compact and efficient structure which assure easy operation and long lasting for many years of usage.
- High reliability due to Mottes quality control system.



The Agri Ferti Lab



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