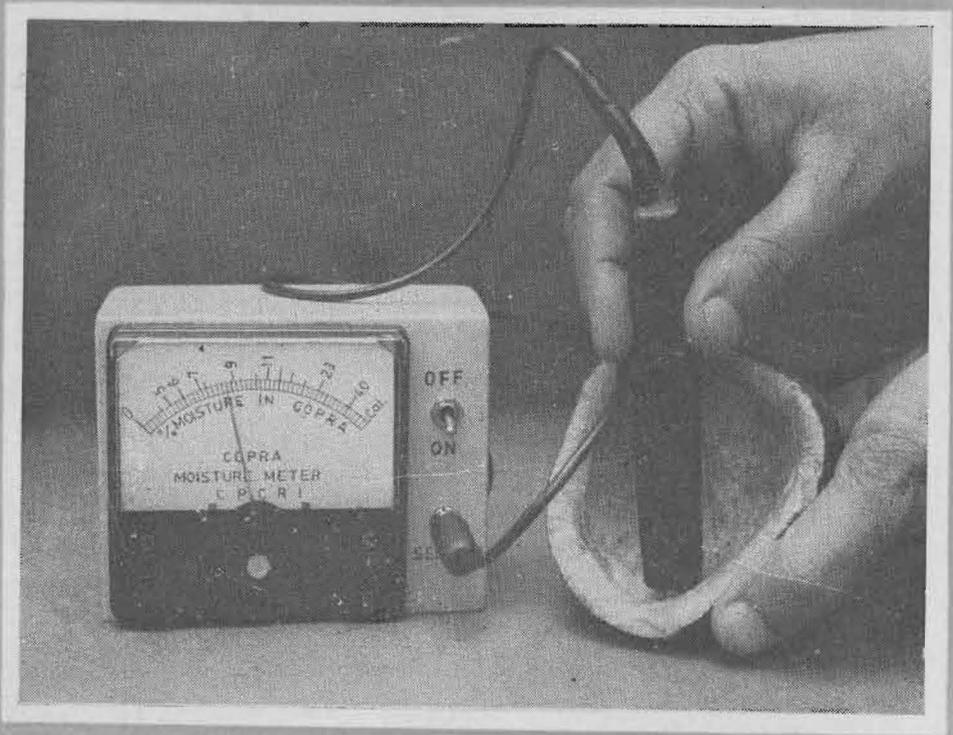


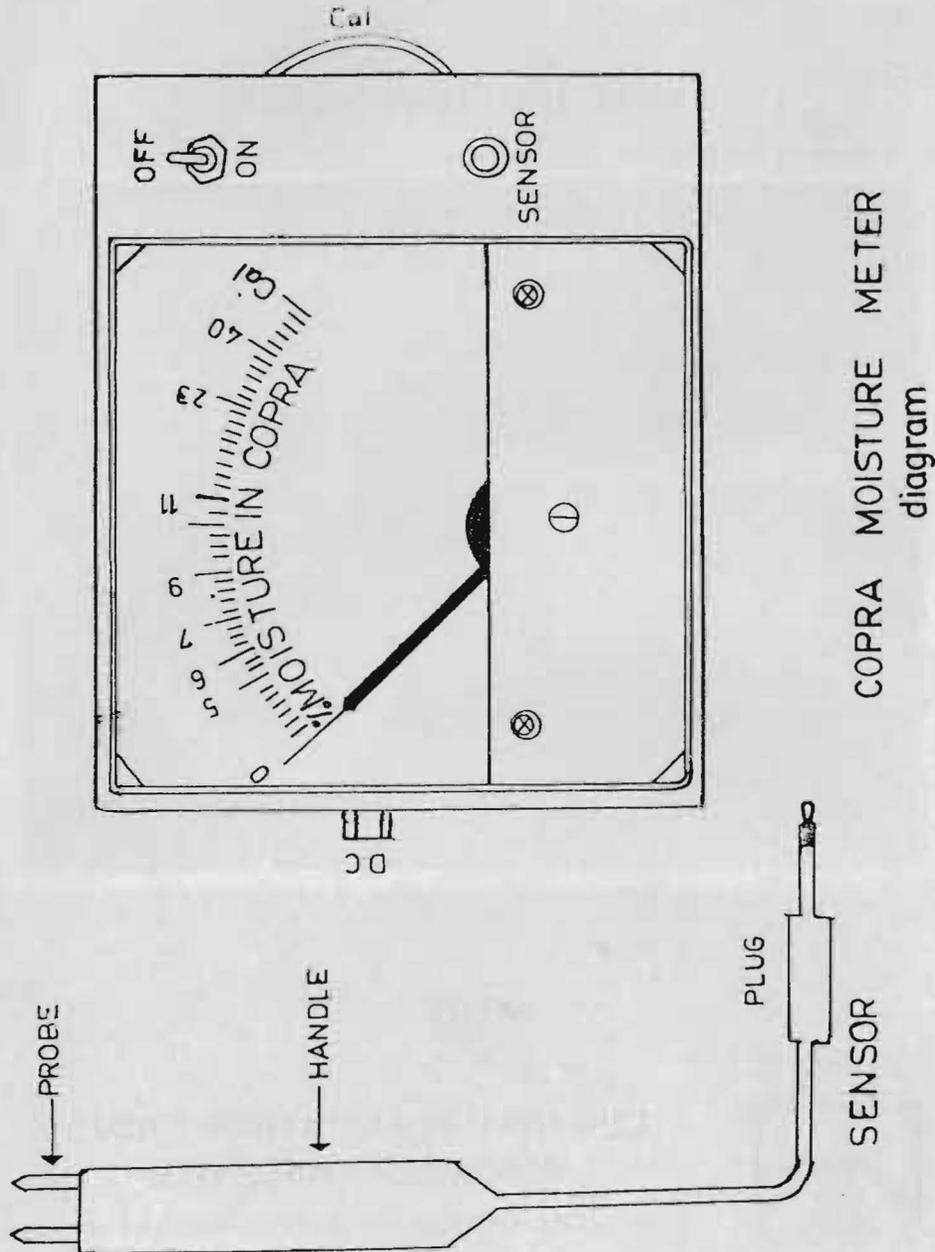
COPRA MOISTURE METER



**CENTRAL PLANTATION CROPS
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INSTRUCTION MANUAL FOR COPRA MOISTURE METER



a) Description of technology:

For safe storage and for the extraction of good quality oil the copra must contain less than 6% moisture. In order to determine the moisture content in copra, a moisture meter is designed on the principle of electric conductivity. It consists of an electronic unit, an output meter and a sensor. The sensor is made of a pair of steel rods of size 8 mm X 2 mm fixed 6 mm apart.

b) Specification:

Measuring Range : 5% to 40%

Power Supply : 9V Eveready 216 Battery
or equivalent.

c) Operation Procedure:

1. Switch on the instrument. Adjust the Cal. Pot., so that the meter needle rests on the 'Cal' position marked on the dial.
2. Plug the sensor into the sensor socket. Probe the sensor into the inner side of the coconut kernel (copra). The reading now seen on the meter gives the percentage moisture content in copra. The sensor may be probed at a minimum of three points in the copra and the average moisture content may be calculated for better accuracy (See the diagram).
3. General Instructions:
 - a) The tips of the sensor may be cleaned and kept dry after use.
 - b) The copra samples may be brought to room temperature for estimation of moisture.
 - c) If the battery is weak, calibration is not possible, as the meter needle will not reach the 'Cal' position on the dial. At this stage replace the battery by opening the back cover of the instrument.

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