Replacing the Battery

1. Carefully lift off the back of the Tester,
2. Replace the battery with new 6 pieces of AA (1.5V) batteries
3. Insert the batteries in the battery case
4. Remove any impurities from inside.

Testing the Battery

1. Turn Tester on.
2. Press Battery test button, wait for 1 second, keep pressed.
3. Read green and red LED
   - Green light -> Battery is OK
   - Red light -> Replace Battery

For more Information

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A. Tenorio, 20 April 2012

IRRI Moisture Tester

Users Manual
Version 3

Description

The IRRI Moisture tester is an affordable decision making tool for post harvest management of rice. The Moisture tester has three light emitting diodes (LED) that indicate that the paddy moisture content is within a certain range, a red LED for paddy that is too WET for safe storage and needs to be dried, a green LED for paddy GRAIN that is safe for storage to be used for rice milling and a yellow LED that indicates that paddy SEED is dry enough to maintain a high germination rate in seed storage.

Although the moisture content in percent can be assessed using the table on the next page the IRRI moisture tester is designed for postharvest operations and is not designed to be used in trading.
Components

Testing Moisture Content

1. Open Grain crushing handle.
2. Turn Tester on.
3. Test battery (see back page).
4. Remove Grain sampling tray and make sure the testing chamber is clean with no leftover grains or dirt inside.
5. Take a grain sample and place grains in one layer in the sampling tray. Don’t over fill or under fill.
6. Fully insert sampling tray into the moisture tester.
7. Crush the grains by rotating the grain crushing handle clockwise. CLOSE TIGHT to make sure that the grains are properly crushed.
8. Observe lights and get moisture range.

Moisture content ranges

<table>
<thead>
<tr>
<th>LED</th>
<th>Display</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beep Beep...</td>
<td>Red LED on + beeps</td>
<td>more than 16%, Out of range</td>
</tr>
<tr>
<td>Red LED</td>
<td>Red LED on</td>
<td>15-16%</td>
</tr>
<tr>
<td></td>
<td>Red LED blinks</td>
<td>14-15%</td>
</tr>
<tr>
<td></td>
<td>Green LED blinks</td>
<td>13-14%</td>
</tr>
<tr>
<td></td>
<td>Green LED on</td>
<td>12-13%</td>
</tr>
<tr>
<td></td>
<td>Yellow LED on</td>
<td>11-12%</td>
</tr>
<tr>
<td></td>
<td>Yellow LED blinks</td>
<td>10-11%</td>
</tr>
<tr>
<td></td>
<td>All LEDs blink</td>
<td>Out of range, open crusher</td>
</tr>
</tbody>
</table>