IRRI Rice Quality Assessment Kit

Better understand grain quality
Make better decisions in post harvest management

Determine the Following Quality Traits:

**Direct Measurements**
- Grain length, width
- 1000 grain weight
- Sample weights < 250g
- Volume < 100ml
- Whole and broken grains
- Grain moisture content
- Grain temperature
- Air temperature
- Air relative humidity

**Calculated Parameters**
- Length/width ratio
- Seed lot purity
- Milling recovery
- Head rice recovery
- Milling degree
- Purity
- Insect infestation
- Save storage conditions
- Drying air properties
- Equilibrium moisture content
- Drying air temperature
- Others

**Visual Checks**
- Insects, cracks, damage
- Estimated milling degree

Some of the tools included in the kit (check back for details)

**Graduated Cylinder (Flask)**
This cylinder is calibrated and is easy-to-read, raised graduation allows precise measuring of the volume of grain samples.

**Scale**
This mini scale weighs samples in different modes: grams, ounces, troy ounces and penny weights. It can weigh a maximum of 250g.

**Caliper**
Used to measure the length and width of the grain.

**Infrared Thermometer**
This non-contact thermometer can be used for monitoring grain temperature in rice milling and drying. (Two options available)

**IRRI Moisture Tester**
The affordable decision making, tells you whether your paddy needs drying, can be stored safely before milling or as seed.

**Indented Sheet Grader**
Used to separate the broken rice (large & small) from the whole kernel.

**Magnifier**
Double the size of the item being viewed. Used for observing cracks and insects in the grain.

**Rice Milling Chart**
Indicates the level of polishing of white rice. It ranges from 8-14% with 10-12% the preferred range.

**Documentation and Tables**
Contains printed users’ manual and training video. EMC table and psychometric charts, and many other tools allow you to measure air properties and determine safe drying and storage conditions.

For more information contact
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**IRRI Rice Quality Assessment Kit**

**Types of quality kits**

The quality kit can be configured with different tools to suit the needs of the user. Below are standard configurations.

<table>
<thead>
<tr>
<th>Item</th>
<th>“No battery” field kit</th>
<th>“Classic” version, for measuring grain properties</th>
<th>“Extended” version, includes air property measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Budget</td>
<td>De Luxe</td>
<td>Budget</td>
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<tr>
<td>Carrying case</td>
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<tr>
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<tr>
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<td>Approximate Price</td>
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