The Importance of Using Good Seeds

Seed quality is affected by temperature, nutrients and other environmental factors.

Using good quality seed ensures:
• Quick germination
• Higher seedling emergence
• More uniform plant growth
• Faster growth rate
• Better resistance to stress and diseases

Using good quality seed can increase yields by 5-20%

Improved seed is available through certified input dealers.

### Seed Varieties

<table>
<thead>
<tr>
<th>Variety</th>
<th>Attributes</th>
<th>Distinctive Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>NamChe-1</td>
<td>3,800, 105, 65</td>
<td>Performs well in poor soils, Large and shiny</td>
</tr>
<tr>
<td>NamChe-2</td>
<td>4,100, 128, 67</td>
<td>Light aroma, Large and glossy</td>
</tr>
<tr>
<td>NamChe-3</td>
<td>4,500, 125, 72</td>
<td>Dark green leaves, Medium and white</td>
</tr>
<tr>
<td>NamChe-4</td>
<td>4,550, 120, 72</td>
<td>Dark green leaves, Medium and white</td>
</tr>
<tr>
<td>NamChe-5</td>
<td>4,500, 125, 66</td>
<td>Light aroma, Medium and white</td>
</tr>
</tbody>
</table>

#### How to conduct a germination test

1. Remove the test seed from its shell
2. Plant the test seed into a pot of soil
3. Keep the test seed moist for 14 days
4. Test the seed for 14 days

#### Seed Storage

Seeds become less healthy over time. After drying properly, seeds should be stored in an airtight container without exposure to light or moisture. It is best to plant seeds within one year.

- **Plant the best seed by doing a float test**

The most common airtight storage containers are silos (made of plastic or metal) or hermetic storage bags. Storing grain in an airtight container prevents moisture, pests and air from damaging the grain.

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NOTES:

- Healthy seed is not diseased, shiveled or cracked.
- Tillers branch off the main rice stem and grow tall.
- Panicles begin to form at the end of stalks.
- Flowering about 35 days after panicles have formed.
- Maturity rice has 80-85% yellow grains.
- Not yet ready for harvest.
- Ready to be harvested.

Preparation

Site Selection

Seed Selection

1st and 2nd Ploughing

Date: DD/MM/YY

Basal Fertiliser Application

First Weeding

Second Weeding

Second Weeding

Urea Application

Potash Application

Threshing

Ripening Phase

Ripening Phase

Panicles formed:

Full flowering:

Harvest:

Healthy seed is not diseased, shiveled or cracked.

Tillers branch off the main rice stem and grow tall.

Panicles begin to form at the end of stalks.

Flowering at about 35 days after panicles have formed.

Mature rice has 80-85% yellow grains.

Not yet ready for harvest.

Ready to be harvested.

Keep track of rice growth dates

Date: DD/MM/YY