PINOY RICE KNOWLEDGE BANK
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HANDOUT series

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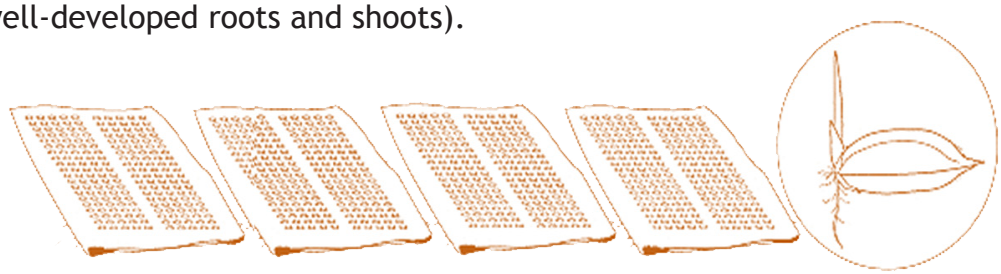
How to conduct a seed germination test

1. Spread 100 seeds on paper towel (or old plain white shirt cut in half) that has been soaked in water.
2. Cover the seeds with another paper towel (or the other half of the shirt).
3. Roll up the paper with the seeds inside & store them in the shade for 7-10 days. Keep the rolled sacks moist for the entire period. Do not let them dry out. (Shirt: roll it around a stick.)

Spread 100 seeds evenly. Cover the seeds. Store rolled seeds in shade for 1 week.

4. Make 4 sets of 100 seeds.
5. At the end of 7-10 days, count the normal seedlings that have developed i.e. with well-developed roots and shoots).



Make four sets of 100 seeds.

All 4 sets of germinated seeds should have a germination rate of at least 85% or 85 seedlings.

CALCULATING THE GERMINATION RATE

$$\text{Germination (\%)} = \frac{\text{Number of seeds germinated}}{\text{Number of seeds on tray}} \times 100$$

For example: if 85 seeds germinated in a tray of 100 seeds after 10 days, then

$$\text{10-day germination (\%)} = \frac{85}{100} \times 100 = 85\%$$

Germination rate should be at least 85%.

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