

Measuring Seed Lot Purity

What is Seed lot purity?

Seed lot purity is a measure of the impurities in a seed batch. These include

- weed and other crop seed, and
- inert matter.



How to measure seed lot purity?

- (1) Select at random a sample of the seed. 100gm is a good sample size.
- (2) Weigh the sample **[A]**
- (3) Remove all of the weed and other crop seeds and the inert matter
- (4) Weigh the weed and other crop seed matter removed. **[B]**
- (5) Compute the weed percentage as follows:

$$\% \text{ Weed} = \frac{\text{Wt of weed}}{\text{Total wt of sample}} \times 100$$

- (6) Weight the inert matter removed from the sample **[C]**, the inert matter percentage is calculated using the formula:

$$\% \text{ Inertmatter} = \frac{\text{Wt of Inertmatter}[C]}{\text{Total wt of sample}[A]} \times 100$$

For more information:

For an overall view of crop management practices, visit www.knowledgebank.irri.org/tropRice
To diagnose problems in the field, visit www.knowledgebank.irri.org/ricedoctor