

## COWPEA SAMPLING PROTOCOL

### FIELD PROCEDURE

1. Familiarize the field team with the **Precautionary Notes on Avoiding Contamination**.
2. Collect 1 kilogram of mature pods from 5-10 plants in two middle rows, and place the samples in clean, properly labeled paper bags.

### IN THE LABORATORY

3. Dry samples at 60°C for 3 days in a clean, contaminant-free (uncorroded) oven.
4. Thresh the pods by gentle twisting over a clean, dust-free plastic tray.
5. Winnow the seeds, and collect approximately 10 grams of seed. Store the samples in clean dry paper bags.
6. Grind up seeds using a non-contaminating mill such as a Retsch mill with Teflon chambers and zirconium balls, or an IKA A10.
7. Package the milled samples in clean, new, properly labeled, paper #1 coin envelopes, and store them in a clean, dry, insect-free environment until ready for analysis.

*For more information, contact:*

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