

ANCHOR FARM EVALUATION ISFM PROJECT

DATA TO BE COLLECTED FROM EACH SUBPLOT AT HARVEST

District:

EPA:

Name of Village

Village ID:

Name of Club:

Name of lead farmer:

Lead farmer ID:

Date of harvesting:

Type of demonstration plot: groundnut OR soya OR common beans

Treatment name:

Replicate/Block No.:

A. HARVESTING COMMON BEANS AND SOYABEANS

1. Record the plot area to be harvested (ridge length, number of ridges and ridge spacing)
2. Record stand count at harvest
3. Uproot all plants and record the total biomass fresh weight at harvest
4. Record the fresh weight of leafy biomass (crop residues of soya or beans) at harvest
5. Take a sub sample of the leafy biomass (crop residues) to determine moisture (as part of ISFM— assuming these crop residues will be incorporated in the soil on this subplot)
6. Strip off the pods from the plant and record the fresh weight of unshelled pods
7. After shelling the pods, record the weight of grain
8. After weighing the grain yield, randomly select 100 seeds and put in a well labelled envelope.
Record the weight of the 100 seeds
9. Put the weighed 100 seeds (from step 8 above) in an oven at 70⁰C for 48 hours. Record the dry weight after drying.

B. HARVESTING GROUNDNUT

1. Record the plot area to be harvested (ridge length, number of ridges and ridge spacing)
2. Record stand count at harvest
3. Record the total biomass weight
4. Strip off the fresh pods
5. Record the fresh weight of unshelled pods
6. Record the weight of fresh haulms (groundnut crop residues) (i.e. step 3-step 5)
7. Take a sub sample of fresh haulms to determine moisture content of fresh haulms (as part of ISFM—*assuming these crop residues will be incorporated in the soil on this subplot*)
8. Put the fresh pods for each subplot separately in a well labeled sac bag. Dry the pods separately for each sub plot.
9. After the pods have dried, record the weight of dry unshelled pods

C. HARVESTING MAIZE

1. Record the plot area to be harvested (ridge length, number of ridges and ridge spacing)
2. Record stand count at harvest
3. Record the total biomass fresh weight at harvest
4. Remove the ears from the maize stalks
5. Record weight of maize ears at harvest
6. Record the weight of stover (maize crop residues) at harvest (*i.e. step 3 - step 5*)
7. Take a sub sample of the maize stover to determine moisture content (as part of ISFM—assuming these crop residues will be incorporated in the soil on this subplot)
8. Measure and record the fresh grain weight at harvest
9. Measure and record moisture content of grain. To get readings for moisture content using a grain moisture meter, mix the grain thoroughly and take 3 readings, and then record the average moisture content.