

## Increasing Groundnut Productivity of Smallholder farmers in Ghana, Mali and Nigeria

### Questionnaire for gross margin data collection

#### SECTION A. IDENTIFICATION OF THE ADMINISTRATIVE UNIT OF RESPONDENT

- 1- Country: [ ] Nigeria = 3
- 2- State ( Jigawa = 1, Kebbi = 2, Kano = 3, Katsina = 4, Sokoto = 5): \_\_\_\_\_
- 3- Local Government Area (LGA): \_\_\_\_\_
- 4- Village: \_\_\_\_\_

#### SECTION B. SOCIO-DEMOGRAPHIC CHARACTERISTICS OF THE HOUSEHOLD MEMBERS

- 5- Household respondent name
- 5.1- First name of household respondent \_\_\_\_\_
- 5.2- Family name of household respondent \_\_\_\_\_
- 5.3- Phone number of household respondent \_\_\_\_\_
- 6- Household characteristics

**Note:** Household is defined as a group of people (related or not) who eat and live together in the same home for at least six months in a year. This includes the employees and visitors provided that they eat and live with one family most of the time. However, the household excludes the family members who live elsewhere most of the time, whether more than 6 months in a year or 4 days in a week.

6.1. Sex of household head: Male = 1    Female = 0	
6.2. Age of household head (years)	
6.3. Marital status of household head: 1=single, 2=married, 3=widowed, 4=divorced, 5=other (specify)	
6.4. Number of children of age between 0 and 5 years	
6.5. Number of children of age between 6 and 14 years	
6.6. Number of persons of age between 15 and 35 years	
6.7. Number of persons of age between 36 and 54 years	
6.8. Number of persons of age between 55 and 64 years	
6.9. Number of persons of age greater than 65 years	
6.4. Number of years in agricultural activities as independent household head	
6.5. Number of years in groundnut production as independent household head	
6.6. Type of household agricultural farm: 1=commercial farm, 2=family farm (subsistence), 3=Predominantly subsistence with sale of surplus produce	

6.7. Enterprise mix of household : 1=groundnut + other crops, 0=only groundnut	
6.8. Do you or other members of your household belong to a cooperative or farming groups: 0=Not a member, 1=Yes, a farming group, 2=Yes, agriculture cooperative, 3=Yes, farming group and cooperative, 4=Other (specify)	
6.9. Have you or other members of your household received a training on agricultural production/marketing during the last cropping season : 0=no, 1=yes	
6.10. Have you or other members of your household received a training on groundnut production and aflatoxin management (delivered by this project or others, specify): 0=no, 1=yes	
6.11. Number of ADP extension visits related to agricultural production/marketing during the last cropping season	
6.12. Number of other extension visits related to agricultural production (NGO, cooperatives, etc.)	
6.13. Have you or any members of your household received credit during the last cropping season? 0=no, 1=yes	

7- Farm size

Production year	Household Total farm size (ha)	Total household farm size cultivated (ha)	Total farm size cultivated only by male (ha)	Total farm size cultivated only by female (ha)	Total farm size cultivated jointly by male and female (ha)	Total farm size cultivated by group (ha)

**SECTION C. GROUNDNUT PRODUCTION IN THE LAST TWO YEARS**

**(i) Hectares planted during the last two years (2016 and 2017)**

	Total groundnut plots size (ha) managed by male?	Total groundnut plots size (ha) managed by female?	Total groundnut plots size (ha) managed jointly by male and female?	Total groundnut plots size (ha) managed in group?

**(ii) Total production of groundnut during the last two years (2016 and 2017)**

	Total groundnut production (kg) from plots managed by male?	Total groundnut production (kg) from plots managed by female?	Total groundnut production (kg) from plots managed jointly by male and female?	Total groundnut production (kg) from plots managed in group?

**(iii) Total quantity of sales during the last two years (2016 and 2017)**

	Total quantity of sales of the production managed by male (kg)?	Total quantity of sales of the production managed by female (kg)?	Total quantity of sales of the production managed jointly by male and female (kg)?	Total quantity of sales of the production managed in group (kg)?

(iv) **Total value of sales during the last two years (2016 and 2017)**

	Total value of sales of the production managed by male (Local Currency)?	Total value of sales of the production managed by female (Local Currency)?	Total value of sales of the production managed jointly by male and female (Local Currency)?	Total value of sales of the production managed in group (Local Currency)?

(v) **Purchased inputs for groundnut production during the last two years (2016 and 2017)**

<b>Seed</b>	Total cost of seed (Local Currency) only by male	Total cost of seed (Local Currency) only by female	Total cost of seed (Local Currency) jointly by male and female	Total cost of seed (Local Currency) only by group, if production is done in farming groups

**Fertilizer**

<b>Fertilizer</b>	Total cost of fertilizer (Local Currency) only by male	Total cost of fertilizer (Local Currency) only by female	Total cost of fertilizer (Local Currency) jointly by male and female	Total cost of fertilizer (Local Currency) only by group, if production is done in farming groups

**Pesticides**

<b>Pesticides</b>	Total cost of pesticides (Local Currency) only by male	Total cost of pesticides (Local Currency) only by female	Total cost of pesticides (Local Currency) jointly by male and female	Total cost of pesticides (Local Currency) only by group, if production is done in farming groups

**Hired labor for far operation**

Hired labor for far operation	Total cost of hired labor (Local Currency) only by male	Total cost of hired labor (Local Currency) only by female	Total cost of hired labor (Local Currency) jointly by male and female	Total cost of hired labor (Local Currency) only by group, if production is done in farming groups

### Hired services of farm equipment (including animal traction)

Hired services of farm equipment (including animal traction)	Total cost of hired farm equipment including animal traction by male (Local currency)	Total cost of hired farm equipment including animal traction by female (Local currency)	Total cost of hired farm equipment including animal traction jointly by male and female (Local currency)	Total cost of hired farm equipment including animal traction in group farms (Local currency)

### Household equipment used for groundnut production in 2017 (including animal traction)

	Number	Total cost of purchase	Year of purchase	lifetime
Hoe				
Chopped				
Wheelbarrows				
Cutlass				
Sprayer				
Tractor				
Motorcycle pump				
Seeders				
Pickaxe				
Harrow				
Plow				
Sheller				
Tumbrel				
Oxen				
Donkey				

### SECTION D. GROUNDNUT VARIETIES USED DURING 2016 AND 2017

N°	Local name of variety (Write the real name of variety as given by the respondent)	Type of variety (Specify if local or improved variety)	Source of awareness <sup>(a)</sup>	Year of awareness	Source of initial seed <sup>(b)</sup>	Source of seed used in 2015	Source of seed used in 2016	Source of seed used in 2017	Did you grow this variety in 2015?	Did you grow this variety in 2016?	Did you grow this variety in 2017?

(a) Source of awareness: 1= Producer / neighbor; 2= ONG; 3=Cooperative; 4= ICRISAT; 5=Other (specify)

(b): Source of seed: 1=Gift/Free, 2=Borrowed seed, 3=Bought with cash, 4=Payment in kind, 5=Exchange with neighbor, 6=Own saved seed, 7=Other (specify)

## SECTION E: DETAILS ON THE GROUNDNUT PLOTS

	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5
Plot name/location (in order to find this plot next year if need)					
Farm size in 2017					
Name of the variety					
Type of land tenure (1 = land inherited, 2 = land received for rent, 3 = land received on free loan)					
Type of variety (1 = improved, 2 = local;)					
Sowing date					
Harvest date					
Soil type (1 = clay, 2 = sandy-clay, 3 = silty;)					
Evaluation of soil fertility (1 = good, 2 = average, 3 = bad;)					
Groundnut production in kg					
Evaluation of production (1 = good, 2 = average, 3 = bad;)					
Do you associate groundnut with other crop? (1 = yes, 0 = no)					
If yes, what kind of crop? (1 = maize, 2 = sorghum, 3 = millet, 4 = cowpea, 5 = cotton, 6 = other)					
Do you practice crop rotation?					
If yes, what was the previous crop? (1 = maize, 2 = sorghum, 3 = millet, 4 = cowpea, 5 = cotton, 6 = other)					
What is the quantity of seeds in kg used for the plot?					
What is the cost of the quantity of FCFA seed used for the plot?					
What is the quantity of fertilizer (NPK, Urea, PNT, DAP) in kg used for the plot?					
What is the cost of the amount of chemical fertilizer in local currency (LC) used for the plot?					
What is the amount of organic fertilizer in kg used for the plot?					
What is the cost of the amount of organic fertilizer in local currency (LC) used for the parcel?					
What is the quantity in liters of the herbicides used on the plot?					
What is the cost of herbicides used on the plot local currency (LC)?					
What is the quantity in liters of the fungicides used on the plot (L)?					
What is the cost of fungicides used on the plot local currency (LC)?					
What is the quantity in liter of pesticides used on the plot (L)?					
What is the cost of pesticides used on the plot local currency (LC)?					
How many cattle (oxen and donkeys) are used for agricultural work on the plot?					
What is the cost in local currency (LC) of using the animals on the plot?					
How many male did you use on the plot?					
For how many days men worked on this plot?					
What is the cost of the male labor force in local currency (LC) used on the plot?					
How many female did you use on the plot?					
For how many days women worked on this plot?					
What is the cost of female labor in local currency (LC) used on the plot?					
How many children did you use on the plot?					
For how many days children worked on this plot?					

What is the cost of children labor in local currency (LC) used on the plot?					
Person responsible for the plot (1 = head of household, 2 = wife, 3=son / daughter, 4 = Other parents, 5 = Other members)					
Sex of the responsible (1 = male, 0= female)					
Age of the responsible					