### Evaluation of sesame crop technology

**“Development, transfer and adoption”**  
**ACASE STUDY**  
Blue Nile State

#### A QUESTIONNAIRE FOR FARMERS

**NAME**  
**PERSONAL CHARACTERISTICS**

**AGE**
- 15-20
- 20-30
- 30-40
- 40-50
- >50

**2. MARITAL STATUTS**
- 1. BACHELOR
- 2. MARRIED
- 3. DEVORCED
- 4. WIDOW
- 5. SEPARATED

**3. EDUCATION LEVEL**
- 1. ILLITERATE
- 2. KHALWA
- 3. 1-4 YEARS OF FORMAL EDUCATION BEFORE UNIVERSITY
- 4. 5-8 YEARS OF FORMAL EDUCATION BEFORE UNIVERSITY
- 5. 9-12 YEARS OF FORMAL EDUCATION BEFORE UNIVERSITY
- 6. UNIVERSITY
- 7. HIGHER EDUCATION

**4. FAMILY SIZE**
- 1. 2-5
- 2. 6-9
- 3. 10-13
- 4. >13

**5. OCCUPATION**
- 1. FARMERS ONLY
- 2. GOVERNMENT OFFICER
- 3. MERCHANT
- 4. POSSESS ESTATES
- 5. POSSESS TRUCKS AND TRACTORS
- 6. OTHERS

**6. INCOME**
- 1. < 200,000 SUDANESE DINARS
- 2. 200,000-500,000
- 3. 500,000-ONE MILLION
- 4. > ONE MILLION

**7. DO YOU HIRE LABORS FOR AGRICULTURAL WORK?**
- 1. ALWAYS
- 2. NO LABORS
- 3. SOMETIMES
8- HOW MANY IS THE LABOR COST?

1- < 50% OF the total production cost
2- 50% “ “ “ “ “
3- 60% “ “ “ “ “
4- 70% “ “ “ “ “

Improved seeds

9. Do you used improved seeds ?
   1)always  2) often  3) sometimes  4) rarely  5) not use

10. What are the varieties do you use?

11. From where do you get your seeds ?
    1-previous crop  2-agricultural bank 3-research station
    4-Arabic company  5-Other ..............mention it

12. How do you prepare your land ?
    1) at least one deep plowing in the year + 1-2 shallow disking in
       the year after weeds emergence.
    2-One plowing in the year 3-No plowing

13. Do you believe the recommended land if you happened to use – in
    crease your sesame yield
    1- believe strongly 2- believe 3- not sure 4- not believe at all
    5- no use of the question

14-Do you know the recommended land preparation
    1- I know  2- I don’t know

15-What is the recommended crop rotation ?

16- Do you practice this rotation?
    1- practice  2- not practice

17- How many feddans do you sow with sesame?
    1-50% of the area  2- 85% of the area 3-15% of the area

18-What is your opinion in this rotation?
    1-very suitable  2- suitable 3-not sure 4-not suitable 5-
       completely not suitable

19- Do you know the recommended sowing date?
    1- 1know        2-1 do don’t know

20-Do you believe sowing in the recommended sowing date increase your
    yield ?
    1-Strongly believe  2- Believe  3- some sort 4- Not believe
    5- not believe at all

21- When do you do sesame sowing ?
    1-15 June – 15 July 2- Last of May  3- First of August
22- If happen you sow late why?
   1- Because of late rains 2- Inputs not available 3- Inputs not available but of high price 4- Labors not available 5- Labors available but of high price
23- Do you know the recommended sowing rate?
   2- I know 2- I do not know
24- What is the Quantity of seeds you used per Feddan?
   1- 1.5 Kg per Feddan 2- < 1.5 Kg per Feddan 3- >1.5 Kg per Feddan 4- Other .... Mention
25- Is the recommended quantity enough?
   1- Completely enough 2- Enough 3- Not sure 4- Not enough 5- Not enough at all
26- Do you know the recommended sowing method?
   1- I know 2- I do not know
27- How do you do your sowing?
   1- In rows 7.5 × 60 cm apart 2- Broadcasting by seeder box 3- by Broadcasting by men mounted over the machine 4- Broadcasting by hands 5- Other ...... mention
28- Do you know the recommended sowing method?
   1- I know 2- I do not know
29- Do you add fertilizers?
   1- Adopt 2- Not adopt