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.........MENTION

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 2-1do 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