

Questionnaire						
---------------	--	--	--	--	--	--

Consent approval after reading the consent statement.

Does you consent to take part in the survey Yes (), NO ()

DATA HANDLERS

Date of interview (dd/mm/yyyy)		
Interviewer Name		
Province		
District		
Village		
GPS coordinates (UTM)	N: _____GPS_N E: _____GPS_E	S: _____GPS_S W: _____GPS_W

1. GENERAL HOUSEHOLD INFORMATION

To get information about the persona/socioeconomics characteristics of the farmer.

Provide details about the primary respondent

1.1 Name of respondent	1.2 Gender 1 = Male 0=Female	1.3 Year of birth	1.4 Primary activity 1=farming, 2=salaried employment, 3=business, 4=off farm work 5= other specify...	1.5 Education level 1=none 2=Primary 3=Secondary 4=Tertiary	1.6 Ethnic group

Collective action/biocontrol 1-to-1 interview – Zambia 2019-2020
Farmers questionnaire

1.7 Is the respondent the head of household?

☐ YES (1)

☐ NO (0)

1.8 If NO, what is the relationship of main respondent to household head? (select one answer)

☐ Spouse (1)

☐ Parent (2)

☐ Child (3)
(4)

☐ Other family member: _____

☐ Unrelated (5)

1.9 Who takes the farming decisions in the household e.g. what crops/varieties to grow, pest management?

☐ Household head (1)

☐ Joint decision making (husband & wife) (2)

☐ Wife (where not household head) (3)

☐ Other family member (4)

1.10 What is your average income (year/month as the interviewed preferred)? _____

1.11 What is the amount from farming?

1.12 Which is the main source of income from farming?

1.13 Do you have livestock? _____

1.14 How many people are in your household, including yourself and household head? _____ people

1.15 How are these household members distributed across age?

Age Categories	Males	Female	Number working on the farm at least once a week
Age: 0-5 years			

Age: 6 – 17 years			
Age: 18-25 years			
Age: 26-35 years			
Age: 36 - 55 years			
Age: >55 years			

1.16 Are all household members ages 6 to 17 currently in school?

[_] YES (1)

[_] NO (0)

2. SOURCES OF AGRICULTURAL INFORMATION

To get information on which channel/network of communication is the preferred one.

2.1 From which sources do you get information on agriculture for you and your household members who are involved in agriculture?

	a) Receive info from this source?	c) If Yes, For which Crops *	b) Practices	c) Frequency of receiving information from this source last season
Neighbours, friends and family	n – y			
Lead farmer	n – y			
Agricultural programs on radio / TV	n – y			
Government extension officers	n – y			
Plant doctor / Plant clinic	n – y			
Magazine, newspaper	n – y			
Agro-dealers / input suppliers	n – y			
Demonstration plots / field days / FFS	n – y			

Collective action/biocontrol 1-to-1 interview – Zambia 2019-2020
Farmers questionnaire

Farmer cooperative	n – y			
Mobile sms and voice services	n – y			
Headman	n - y			
Agricultural days	n – y			
Other, specify	n – y			

*** Crop**

1=Maize, 2=Tomatoes,
3=Cassava,
4=Sweet potatoes,
5=Sorghum,
6= Pearl Millet,
7= Sunflower,
8= Sesame,

9 = Sugarcane,
10 = Rice,
11= Groundnuts,
12= Beans
13 = (Other Specify)
****Practices**
1= Crop rotation,
2= Time of planting

3= Manure use (include
compost),
4= Inorganic fertilizer use,
5= New varieties of crops use
6= Quality seeds (either
certified or QDS),
7= Intercropping,

8= Use of pesticides for pest
and disease control
9= Soil and water
conservation
10= Irrigation
11= Marketing of products
12= Conservation farming

2.2 Identify your top three sources of information, the most used

1. _____
2. _____
3. _____

2.3 Which information source do you believe being more reliable? _____

2.4 Do you verify the information you get within other information sources? Can you make an example?

2.5 Did you share any of the agricultural information with other farmers?

[_] YES (1)

[_] NO (0)

Collective action/biocontrol 1-to-1 interview – Zambia 2019-2020
Farmers questionnaire

2.6 **If yes**, with whom did you share information?

☐ Other household members ☐ Other relatives living outside this community

☐ Community members / neighbours ☐ Group members/peers

☐ Other: _____

2.7 **If yes**, which topics did you discuss with the people you share information with?

☐ Crop rotation,

☐ Time of planting

☐ Manure use (include compost),

☐ Inorganic fertilizer use,

☐ New varieties of crops used

☐ Quality seeds (either certified or QDS),

☐ Intercropping,

☐ Use of pesticides for pest and disease control

☐ Soil and water conservation

☐ Irrigation

☐ Marketing of the products

☐ Knowledge of pests and diseases

2.8 On average, with how many (number) people did you share information with? _____ people

2.9 Are you part of the same cooperative?

☐ YES (1)

☐ NO (0)

2.10 Are you part of the same village?

☐ YES (1)

☐ NO (0)

2.11 Which are the blockers you find in sharing information?

☐ Lack of leadership and organization in the community

☐ No interest in sharing information

☐ The other farmers are not interested

☐ I assume other farmers already know

☐ I don't feel able to advise other farmers

☐ It is safer not to share

☐ Not aware of common interest (e.g. the information is only relevant for my particular situation)

☐ I grow different crops than my relatives/neighbours

☐ Far away

[☐] Other:

3. COSTS/BENEFITS EVALUATION

3.1 What do you take into account when you decide which kind of pest management to apply?

3.2 When you have to choose about farming management practices, which are the three most important benefit and the three most limiting factors you take into account?

BENEFIT:

1.

2.

3.

Collective action/biocontrol 1-to-1 interview – Zambia 2019-2020
Farmers questionnaire

LIMITATION:

1. _____

2. _____

3. _____

3.3 Below are some possible qualities of a product for pest management are listed. Rate each option according to its importance for you in choosing a pest management over another- 1= not important to 5 = very important.

BENEFIT:	RATE:	NOTES:
PRICE		
EFFICIENCY		
SAFETY FOR HEALTH		
SAFE FOR ENVIRONMENT		
EASY TO APPLY		
IMMEDIATE ACTION		

TRAINING NEEDED		
IT IS RECOMMENDED BY AGRODEALER/AGRICULTURAL EXTENSIONS		
THE PRODUCT IS EASY TO FIND		
THE PRODUCT IS GENERIC: IT IS EFFECTIVE AGAINST DIFFERENT TYPE OF PESTS		
OTHER:		

4. KNOWLEDGE ON FAW

4.1 Can you recognize eggs of the fall armyworm?

Picture chosen: _____

4.2 Can you recognize the caterpillars of fall armyworm?

Picture chosen: _____

4.3 Can you recognize the adult of fall armyworm?

Picture chosen: _____

4.4 Put the cycle of FAW in order - egg, caterpillars, pupa and adult.

Order: _____ - _____ - _____ - _____

4.5 How FAW have arrived in your field?

4.6 After damaging your crop, where does it goes?

4.7 Is the farmer next to you having fall armyworm in his/her field?

☐ YES (1)

☐ NO (0)

5. KNOWLEDGE ON PEST CONTROL - BIOCONTROL

5.1 How do you control FAW (or other pests if FAW not recognised)? If chemical, name active ingredient or trade name? How did you get to know about this type of control?

PRODUCT:	Where do you heard/learned it from?

Collective action/biocontrol 1-to-1 interview – Zambia 2019-2020
Farmers questionnaire

5.2 Are there other methods you heard about, but you are not adopting?

5.3 Why did you chose to adopt this method in first place?

5.4 Have you ever heard about biocontrol (if not previously mentioned)?

[_] YES (1)

[_] NO (0)

5.5 **If yes**, who did you heard that from?

5.6 **If yes**, can you explain how it works in your words?

If not explain:

The idea of biocontrol is the use of living organisms (natural enemies) to control a pest. Natural enemies are insects that feed or reproduce on the pest. For instance, in a cotton crop, a natural enemy of aphids (pest) are ladybird beetles (natural enemies). Biocontrol is a method that become more and more effective over years when using and once the population of the natural enemies is improved, the control of the pest is easier. However, the natural enemies are also affected by pesticides so in order to apply this method, the spray of pesticide has to be reduced and less toxic ones.

5.7 How much do you spend on pesticide/year? _____

5.8 Would you be willing to use biocontrol products?

☐ YES (1)

☐ NO (0)

5.9 Would you be willing to produce it yourself?

☐ YES (1)

☐ NO (0)

Collective action/biocontrol 1-to-1 interview – Zambia 2019-2020
Farmers questionnaire

5.10 How much would you be willing to pay for biocontrol products?

1. ☐ 0 kwas – 50 kwas
2. ☐ 50 kwas -100 kwas
3. ☐ 100 kwas - 150 kwas
4. ☐ 150 kwas – 200 kwas
5. ☐ 200 kwas – 250 kwas
6. ☐ 250 kwas – 300 kwas
7. ☐ 300 kwas – 350 kwas
8. ☐ 350 kwas – 400 kwas
9. ☐ 500 kwas - more specify:_____

5.11 If a group/representative of people within your village will have to produce the product for everyone, which group of people would you think would be more suitable to do that and why?

5.12 Is there in your village a group of people designated to do/produce something benefitting the entire community (e.g mill)? How have those people been identified?
