HESAD survey

Section 0: Preliminary Information

District q0_0 Mabaruma	*
Moruca Moruca	
Community q0_1	*
Specify other community q0_1oth	*
Section 0: Preliminary Information	
Enter respondent's telephone number before calling q0_2: Enter 99 for face-to-face interviews	*
Household ID q0_3: Enter ID from the list given to you	*
Interview mode q0_4 telephone Whatsapp Face-to-Face	*
Please dial the phone number now	

Section 0: Preliminary Information

Interviewer Read: Hello sir/madam, my name is #Interviewer#, and I am calling from TCG on behalf of the United Nations Food and Agriculture Organization (FAO). We are conducting a household survey to collect baseline data for the project Hinterland Environmentally Sustainable Agricultural Development (HESAD), implemented by the Ministry of Agriculture. I would like to ask you some questions about your household. The survey usually takes #xxx# minutes to complete. Any information that you provide will be kept strictly confidential and will not be shown to other people. No personal identifying information will be collected. Also, you are not obliged to answer any question you do not want to, and you may stop the interview at any time. Your voluntary participation in the outcome of this interview is NOT IN ANY WAY linked to your personal chance of receiving any assistance. However, we hope that you will participate since your views are important. You will receive \$1000 of phone credit as an incentive for the participation of the survey. Please note that this call may be recorded for quality purposes Do you have any questions? Outcome of interview attempt q0_5 Respondent agreed to participate in the survey Respondent refused to participate No answer, the phone rang-out Phone number not working No adult at home to answer the survey questions Unavailable/ busy (no appointment) Interview scheduled for another time Respondent ill or incapacitated Security concerns of interviewer (face-to-face) Building / household not accessible (face-to-face) Occupants had known cases of COVID-19 (face-to-face) Other Specify other outcome of contact attempt q0_5oth

Section 1: Household Members		
Now, I will be listing your household members. Household members are persons who usually sleep at least 4 nights per week at this address or share a daily meal with the household.		
How many members does your household have? q1_0	*	
» Household Memebers		
» Household Roster		
» Household Headship		
Which of the following best describes your household? q10 Male headed Female headed Child headed (below age 18)/Orphan Jointly headed by male and female	*	
Which of the following best describes how your household is managed? q10_1 Managed by a male Managed by a female Managed by a child (below age 18)/Orphan Jointly managed by male and female	*	
Section 2: Resilience	*	
Have one or more household members participated in the development or updating of a community development plan, village investment plan or similar types of plans in the last 12 months? q11 No Yes Don't know No answer	•	

Were actions to reduce the impacts from climate events (such as floods, salt water intrusion or periods with unusual high temperatures) considered in this plan, in which you participated? q12: If the household participated in development of the plan, then for the purpose of question, it contributed to the plan. No Yes Don't know No answer
Is at least one household member participating in a community or producer group that has an adopted business plan? q13: The business plan here is for the producer group. A business plan is aplan that addresses some specific investment, the cost and expected returns.
No Yes Don't know No answer
Has the business plan contributed to an increase in the household incomes in the last twelve months? * q14 No Yes Don't know No answer
* Does the household use the same or an increased number of crop varieties, animal species and wild species as food or income generating source compared to 12 months ago? q15 Decreased number Same number Increased number Not applicable Don't know No answer
* cultivated land within the last 12 months? q16: Examples of practices are drip or sprinkler irrigation, cultivation in raised beds, shade houses, compost, manure and green manure, erosion control measures, integrated pest management (IPM), integrated agroforestry or silvopastoral farming systems. No Yes

No answer

» Resilience	
Did the household experience water scarcity for household needs the last 12 months? q21 No Yes Don't know No answer	*
Has the household experienced water scarcity for production needs the last 12 months? q22 No Yes Not applicable Don't know No answer	*
Does the household have access to a renewable energy source for household needs? q23: Examples are solar power, wind power, firewood etc. No Yes Don't know No answer	*
Does the household or the producer group it works with have access to a renewable energy source for production, storage and processing needs? q24 No Yes Not applicable Don't know No answer	*
In the last 12 months, has the household used the internet to access information on markets (prices, buyers, demand for products etc.), weather forecast and early warnings or advice on climate smart farming practices? q25 No	*

Are there any mechanisms in place to protect the water source?	No	Yes
Forest, or tree species, that is kept to protect the water source q30_1	*	
Grazing that is kept unused and being restored or reforested q30_2	*	
Fence q30_3	*	
Other q30_4	*	
Specify other mechanisms		*
What are the water sources for how q31: for example drinking, washing, cooking Small stream Private well Public well (not piped) Public piped water system Rainwater harvesting System River Creek Lake/Pond (not well) Borehole Other		*
Specify other source of water q31oth		
	Now I will ask some questions about income and expenditure. The information you provide will be confidential and will not be shared for example with any governent agencies.	

What is your approximate total household monthly income, in Guyanese dollar?

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_	оденнег ите писот е пот ан зоитсез ани ан регзонз ит ите поизеноји. миниз созиз от орегацонз пот ите писот е 49,999		
	,000 - 99,999		
	0,000 - 149,999		
15	0,000 - 199,999		
	0,000 - 249,999		
25	0,000 - 299,999		
30	300,000 - 349,999		
35	350,000 or more		
O Do	on't know		
Re	fused		
» Incor	ne		
In the I	ast month, what percentage of your total household income came from each of the following:		
Agricult	tural production (own operation)		
q33_1			
Off-farr	* n agricultural employment (not own operation)		
q33_2			
Non-ag	ricultural employment		
q33_3			
Non-ag	*ricultural businesses		
q33_4			
State su	ıbsidies		
q33_5			
Remitta	inces		
q33_6: fro	om overseas and from within Guyana		
Other s	ources		

q33_7
» Expenditure
In the last month, what percentage of your total household income did you spend on each of the following: q34
Food 934_1
q34_2
Education q34_3
Housing q34_4: example, rent, renovation, purchases etc.
Transportation q34_5
Others # # # # # # # # # # # # # # # # # # #
Section 3: Natural Resources and Production
In the last twelve months , did the household own or have access to any land for agricultural production (crop or livestock) or for harvesting of forest? q35 No Yes Don't know No answer

What is the ownership state production? q50 With land title Without land title Rented Leased Community-owned Other Not applicable Don't know No answer		and used for agricultural o	* r forestry	
q50oth	acus			
» Agricultural Land				
	What was the area used for: q36: Give the area for each type of activity			
Activity	Area used	Measuremet Unit	Other Measurement Unit	
Crop production (temporary and perennial crops)	* q36_1	Unit q36_1a Square rod Acre Hectare Square meter Square feet Other	Specify other unit q36_1aoth	
Livestock (pasture for livestock)	* Area <i>q36_2</i>	Unit * q36_2a Square rod	Specify other unit q36_2aoth	

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		Hectare Square meter Square feet Other	
Forest and Rangeland (Natural grazing land)	* Area q36_3	Unit q36_3a Square rod Acre Hectare Square meter Square feet Other	Specify other unit q36_3aoth
Aquaculture	* Area q36_4	Unit q36_4a Square rod Acre Hectare Square meter Square feet Other	Specify other unit q36_4aoth
Other Land (Utilised rocks, wetlands etc)	* Area q36_5	Unit q36_5a Square rod Acre Hectare Square meter Square feet Other	Specify other unit q36_5aoth
» Crops			*
	d by the household during t rdless of the quantity harvested. Int riate selections or entries.		e options. Let the respondent

	Avocado	
	Banana	
	Bean / Bora	
	Beet	
	Bilimbi	
	Black-Eyed Pea	
	Boulanger / Eggplant	
	Breadfruit	
	Broccoli	
	Cabbage	
	Callaloo	
	Carambola	
	Carrot	
	Cashew	
	Cassava (Bitter)	
	Cassava (Sweet)	
	Celery	
	Chard	
	Cherry	
	Сосоа	
	Coconut	
	Coffee	
	Corilla	
	Corn	
	Corn (Sweet)	
	Cucumber	
	Dasheen	
	Eddoe	
	Eschallot	
	Ginger	
	Grapefruit	
	Guava	
	Lemon	
	Lettuce	

1		1
	Lime	
	Mamey	
	Mango	
	Minica	
	Mustard	
	Ochro	
	Onion	
	Orange	
	Pak Choi	
	Papaya / Papaw	
	Passion Fruit	
	Peach	
	Peanut	
	Pear	
	Pepper	
	Pepper (Hot)	
	Pepper (Sweet)	
	Pepper (Wiri Wiri)	
	Permanent Pasture	
	Pineapple	
	Plantain	
	Pumpkin	
	Red Beans	
	Rice	
	Saeme	
	Sapodilla	
	Scallion	
	Sorghum	
	Sorrel	
	Sour Sop	
	Squash	
	Sugar Cane	
	Sweet Potato	
	Tangerine	l

Who in the household makes the decisions concerning production of crops animals and use of forest

who in the household makes the decisions concerning production of crops, animals and use of forest				
resources on the plot?				
q40: Identify up to two persons				
Not applicable				
Does your household raise or own any of the following livestock?				
q41: Select all that apply				
Cattle				
Equine (horse, mule, donkey etc.)				
Sheep				
Goat				
Pigs				
Poultry (chicken, duck, turkey etc.)				
Other animals				
None				

» Livestock	
How many [cattle] does your household have as of today? q41_1:enter -1 for don't know and -2 for no answer	*
How many [equine (horses, mules, donkeys etc.)] does your household have as of today? q41_2:enter -1 for don't know and -2 for no answer	*
How many [Sheep] does your household have as of today? q41_3:enter -1 for don't know and -2 for no answer	*
How many [Goats] does your household have as of today? q41_4:enter -1 for don't know and -2 for no answer	*
How many [Pigs] does your household have as of today? q41_5:enter -1 for don't know and -2 for no answer	*
How many [Poultry animals] does your household have as of today? q41_6:enter -1 for don't know and -2 for no answer	*
How many [other animals] does your household have as of today? q41_7:enter -1 for don't know and -2 for no answer	*
What was the primary source of water used for crop production or for livestock rearing during the last twelve months? q42 Small stream Private well Public well (not piped) Public piped water system Rainwater harvesting System River Creek Lake/Pond (not well) Borehole	*
Other Other	

Specify other primary source of water 942oth
> Crop Production
Focusing on crops alone within the last 12 months, what percentage of your total production went to each of the following?
Sale 943_1
Household consumption g43_2
Seed g43_3: (to plant in the next cycle)
Barter g43_4
Animal feed g43_5
Other uses 943_6
Specify other uses of your crops production
To whom do you sell to most of the agricultural production? 945: All production of crops and animals Private individuals/ neighbours
Sell at a marketplace Traders/middlemen

	,	
	Farmer/Producer Organizations	
	Agro-Industry	
	Other producers	
	Other	
	Do not sell agricultural production	
	rify other entity to which you sell most of your production	*
q4oth		
	e you experienced a loss of your cultivated plots, animals or harvest in the last 3-6 years ?	*
q46	No	
	Yes	
	Not applicable	
	Don't know	
	No answer	
	INO diiswei	
What	t were the causes of this loss?	*
q47: S	Select all that apply	
	Lack or irregularity of rainfall	
	Flooding, excess of water or rain	
	Well runs dry	
	Plagues and pests	
	Stray/ Animals	
	Fire	
	Theft	
	Other	
Spec	ify other cause	*
q47ot		
What	t products and/or services did the household use from the forest area in the last twelve	*
	nths?	
q48		
	Water	
	Timber	

HESAD survey Firewood Wildmeat Fish Medical plants Craft materials Other None Specify other products and services q48oth » Pastureland In the area used as pastureland, have you introduced any of the following items items? Have you introduced: No Yes Not applicable Rotational grazing q49_1 Improved grass species for feed q49_2 Living fences q49_3: Fence made of living trees/shrubs Trees q49_4 Conservation of streams q49_5 Are there organizations that focus on women's empowerment in your region, particularly for agriculture? q52 No Don't know No answer Does any member of your household belong to one of these organizations?

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there was no food to eat of any

0/ 10/2	.021			TIEGAD Survey		
	iu iii your nouse pecause oi ck of resources to get food?					
<i>q5</i>						
VO	u went to sleep at night	*				
hι	ingry because there was not					
er 96	lough food?					
90						
уо	u went a whole day and night	*				
	thout eating anything at all ecause there was not enough					
	od?					
<i>q6</i>	1					
» (Section 4.2: Nutrition					
	Total 4.2. Italian					
	hich foods does your household					*
q6	2: Legumes are plants that produce seeds	s in a po	d (eg. red beans	i, chickpeas, soybeans, le	entils etc.)	
	Cereals					
	Vegetables					
	Tuber (roots)					
	Fruits					
	Meat					
	Eggs					
	Fish					
	Legumes					
	Oil and Seeds					
	Milk					
	Sugar					
	Other					
Cn	earify other foods					*
	ecify other foods 20th					
						*
	there a woman age 15-49 in the	house	hold who cai	n answer a few nut	rition questions?	^
96	No					
	Yes					
	Don't know					
	No answer					

This section of the questionnaire is to be answered by a woman in the household who is between 15 and 49 years old.					
» » » Female Access					
In your opinion and thinking of your own situation, do you have decision making power over each of the following?		No	Yes		
How to use/cultivate the land q51_1	*				
Participating in agricultural training q51_2	*				
Use/purchase of agricultural inputs q51_3	*				
Use/purchase of agricultural technologies q51_4: tools, inputs and equipment	*				
Health care q51_5	*				
How to use water for irrigation q51_6	ж				
Acquire loans <i>q51_7</i>	*				
Save or use savings No Yes					
Now I would like to ask you abou time until you went to sleep in from early morning after you wol	your home	or elsewhere? Please tell	me what you ate and drank		

Please mention all foods for which you consumed more than a full tablespoon (15 mg) yesterday If the previous day was unsusual with for example a celebration or party, use the day before.	
Any food made from grains and any white roots or tuber or plantains q65: like: Porridge, bread, rice, pasta/noodles or other food made from grains, white potatoes, white yam, manioc/cassava/yucca, cocoyam, taro or any other foods made from white-fleshed roots or tubers, or plantains No Yes Don't know No answer	*
Any beans or peas q66: such as: Mature beans or peas (fresh or dried seed), lentils or beans/pea product, including hummus, tofu, and tempeh. No Yes Don't know No answer	*
Any nuts or seeds q67: like: Any tree nuts, groundnut/peanut, or certain seeds or nut/seed "butter" or pastes. No Yes Don't know No answer	*
Any milk or milk products q68: such as: Milk, cheese, yogurt or other milk products, but not including butter, ice cream, cream or sour cream. No Yes Don't know No answer	*
Any meat (including wild meat), poultry and fish products q69: such as: Liver, kidney, heart or other organ meats or blood-based foods, including wild meat. Beef, pork, lamb, goat, rabbit, wild game meat, chicken, duck, other birds. Fresh or dried fish, shellfish or seafood. No Yes Don't know No answer	*

Any eggs	*
q70: Eggs from poultry or other birds.	
○ No	
Yes	
On't know	
No answer	
Any dark green leafy vegetables	*
q71: such as: List examples of any medium-to-dark green leafy vegetables, including wild/foraged leaves that are available in the local area.	
○ No	
Yes	
On't know	
No answer	
Any vitamin A rich fruits, vegetables and roots	*
q72: such as Pumpkin, carrots, squash or sweet potatoes that are yellow or orange inside, Ripe mango, ripe papaya etc.	
○ No	
Yes	
On't know	
No answer	
Any other fruits:	*
<i>q73</i>	
○ No	
Yes	
On't know	
No answer	
Any fried and salty food:	*
q74: Example, fries (chips-plantains,potatoes, breadfruit), pickled fruits, Fried fish, bakes	
No No	
Yes	
On't know	
No answer	
Any sweet food:	*
q75: for example cakes ,mithai, fudges,sugar cakes,tamarind balls,homemade icecream, donuts, buns, pine tarts,salara	
○ No	

5/18/2021 **HESAD** survey Don't know No answer Any sweet beverages: q76: for example, homemade drinks including sweetened juices, carbonated beverages like Coca Cola etc., juice boxes Yes Don't know No answer **Section 5: Respondent Opinion of Survey Burden** What is your overall judgement on the difficulty of this survey? q0_6 Acceptable Too difficult What is your overall judgement on the length of this survey? q0_7 Acceptible Too long General comments on survey q0_8

Thank you for your time