

Supplemental Material

Table S1. LULC change to LAI and small-scale cropland (SSC) as a percentage of the LAI and new cropland areas, respectively, for each LAI studied.

	Kenya					
	LAI 1	LAI 2	LAI 3	LAI 4	LAI 5	
LULC converted to LAI	(LAI area: 210 ha)	(LAI area: 417 ha)	(LAI area: 40 ha)	(LAI area: 40 ha)	(LAI area: 74 ha)	
Forest to LAI	31%	16%	5%	6%	28%	
SSC to LAI	41%	40%	53%	81%	41%	
Other to LAI	28%	44%	42%	13%	31%	
LULC converted to small-scale cropland in vicinity of LAI	(New SSC area: 2,925 ha)	(New SSC area: 278 ha)	(New SSC area: 778 ha)	(New SSC area: 1,184 ha)	(New SSC area: 1,352 ha)	
Forest to SSC	22%	20%	29%	36%	44%	
Other to SSC	78%	80%	71%	64%	56%	
	Mozambique				Madagascar	
	LAI 6	LAI 7	LAI 8	LAI 9	LAI 10	LAI 11
LULC converted to LAI	(LAI area: 2,190 ha)	(LAI area: 2,321 ha)	(LAI area: 949 ha)	(LAI area: 1,706 ha)	(LAI area: 770 ha)	(LAI area: 5,507 ha)
Forest to LAI	76%	11%	67%	14%	0%	0%
SSC to LAI	14%	85%	29%	80%	3%	0%
Other to LAI	11%	4%	4%	6%	97%	100%
LULC converted to small-scale cropland in vicinity of LAI	(New SSC area: 4,941 ha)	(New SSC area: 5,972 ha)	(New SSC area: 5,611 ha)	New SSC area: 4,560 ha)	(New SSC area: 0 ha)	(New SSC area: 0 ha)
Forest to SSC	97%	96%	94%	73%	0%	0%
Other to SSC	3%	4%	6%	27%	0%	0%
Afforestation by LAI	--	--	--	--	--	11 ha

Table S2. Forest net change as share of the buffer area of each LAI, aggregated by case

Forest change (net change; as % of LAI buffer areas)	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6
	1.51	4.09	-9.35	-9.35		

Table S3. Overview of smallholders' employment with LAIs. Percentage values are presented only for samples larger than five.

	Kenya		Mozambique		Madagascar		Statistics	
	Overall	Case 1	Case 2	Case 3	Case 4	Case 5		Case 6
Employment with LAI	(n=270)	(n=40)	(n=59)	(n=49)	(n=52)	(n=25)	(n=45)	
Currently employed	12.6	2.5	13.6	32.7	11.5	0	6.7	
Previously employed	27.8	20	18.6	32.7	15.4	80	26.7	<0.001
Never employed	57.8	72.5	62.7	34.7	73.1	20	66.7	
Employed by different LAI	1.9	5	5.1	0	0	0	0	
Why never employed?	(n=146)	(n=27)	(n=34)	(n=16)	(n=34)	(n=5)	(n=30)	
Difficult to find job	30.1	7.4	5.9	25.0	58.8		53.3	
Prefer to work on own farm	21.2	22.2	32.4	25.0	2.9		23.3	
Bad working conditions	19.9	14.8	14.7	37.5	29.4		6.7	<0.001
Not interested	12.3	33.3	20.6	6.3	2.9		0	
Own business/other employment	13.0	22.2	26.5	0	2.9		6.7	
Other reasons	3.4	0	0	6.3	2.9		10	

S4: Interview Guides

Interview Guide Kenya

Identifiers

Interview number / code	
Name of interviewer	
Name and contact of interviewee (if agree)	
Gender of interviewee	
Age of interviewee	
Date and Time of interview	
Place of interview (e.g. homestead, field, a public place etc.)	
Coordinates of place of interview	
Coordinates of interviewees fields (if possible)	

Part 1: Household characteristics and involvement with LAIx¹

1.1	Is (or was) your household engaged in any farming activities? (Yes, go to 1.1.1) (No, go to 1.1.2)	
1.1.1	If yes, which ones?	
1.1.1.1	Which of these are the main sources of your income?	
1.1.2	If no, why, and what are your households' activities for income generation?	

1.2.	What crops do you plant?	
1.2.1.	Which of them do you sell and what percentage of the total harvest?	
1.2.1.1	Who are you selling to? (contract farmer, market, LAIx)?	

¹ LAIx is the investment / agribusiness in whose neighbourhood the interviewed farmer lives

1.2.1.2	If you are selling to LAIx, how regularly and do you get a higher price from LAIx than on the usual market?	
1.2.2	Which of them do you keep for own consumption?	
1.3	How big is the total area of your cropland? (in acres) How many different plots do you have? How big is each one of them?	
1.3.1	How long does it take to get to each of these plot from here (walking)?	
1.3.2	How often do you go to your different plots? (every day, once a week etc)	
1.3.3	Are any of your plots located near a river? Which one and which river, and how far away from the river?	
1.3.3.1	Do you sometimes move from your plots? How long do you use a plot before moving? (Is it different for the plot next to the river?)	

1.4	How long have you been living in this place?	
1.4.1	If moved here from somewhere else: why?	
1.5	How many people belong to your household ² ?	

1.6	Is any household member working for LAIx at the moment (with our without contract, temporary, through contract farming etc.)?	
1.6.1	If no one at the moment, did anyone ever work but stopped?	
1.6.2	If no one ever worked for LAIx, why not?	
1.6.3	If yes, what kind of job?	

² All people that are financially supported including children living in the city for schooling etc.

1.6.4	If yes, what kind of contractual arrangement? (e.g. <i>permanent contract, temporary, contract farming</i>)	
1.6.5	If yes, did/does it affect the labour force for your own cropland, and how?	

1.7	Do you own livestock? If yes, how many heads of each type (cows, goats, sheep, pigs)?	
1.7.1	Do you own grazing land for your livestock or do you use communal land for grazing?	
1.7.2	How big is the grazing land you own (acres)?	
1.7.3	What do you use the livestock for (sell, consume animal products, work on farms)?	

Part 2: Land use and land (including soil and water) management change due to LAIx

Cropland change

2.1	Since what year do you cultivate or own your current area of cropland?	
2.2	Did you have any cropland which you have either leased or sold to the LAIx? (If yes, ask 2.2.1-2.2.7) (If no, go to 2.3.)	
2.2.1	How big was this cropland (in acres)?	
2.2.2	Which crops did you plant on that land then?	
2.2.3	Were you compensated by LAIx for the cropland they took and if yes how much money per acres?	
2.2.4	Did you acquire new cropland when your cropland was taken by LAIx? (If yes, ask 2.2.5-2.2.7) (If no, go to 2.3)	
2.2.5	How much (in acres)?	
2.2.6	What kind of land use was on this new cropland when you acquired it (e.g. forest / bush, grazing land, cropland)?	
2.2.7	What are the differences between the new cropland and the cropland which was taken by LAIx (e.g. soil quality, suitability for mechanization, rainfall etc.)?	

2.3	Has the size of your cropland changed in the last 10 years? (If yes, ask 2.3.1-2.3.4) (If no, go to 2.4)	
2.3.1	Increased / decreased by how many acres?	Increased: Decreased:
2.3.2	What land use was present before the increase? What land use was present after the decrease?	Before: After:
2.3.3	In which year did the size change?	
2.3.4	Why did the size change?	

2.4	Have you changed anything with respect to your cropland management and what? <i>(e.g. crops planted, agricultural practices used, change in irrigation frequency / quantity, new tools, new inputs etc.)</i> (If yes, ask 2.4.1 – 2.4.4) (If no, go to 2.5)	
2.4.1	In which year did this change happen?	
2.4.2	Why did this change happen?	
2.4.3	Do these changes have any impact on the following:	Please circle: -2 strong decrease, -1 decrease, 0 no change, +1 increase, +2 strong increase
2.4.3.1	Crop yield	-2, -1, 0, 1, 2
2.4.3.2	Crop production	-2, -1, 0, 1, 2
2.4.3.3	Crop diversity	-2, -1, 0, 1, 2
2.4.3.4	Soil quality (fertility, structure etc.)	-2, -1, 0, 1, 2
2.4.3.5	Irrigation water use	-2, -1, 0, 1, 2
2.4.4	Did the LAIx have anything to do with these changes? ³ (if not mentioned yet)	

Grazing land change

Interviewer: For households using grazing land today (see 1.7.1) ask the following questions.
For households not using grazing land today go to 2.7.

2.5.	Has the area available for grazing changed? (If yes, ask 2.5.1-2.5.4) (If no, go to 2.6)	
2.5.1	Increased / decreased by how many acres?	
2.5.2	What land use was present before the increase? What land use was present after the decrease?	Before: After:
2.5.3	In which year did the area change?	
2.5.4	Why did the area change?	
2.6.	Has anything changed with respect to your use of grazing land and what?	

³ e.g. less labour available because household member working with LAI, trainings, availability of new tools or inputs due to CSR projects, new market opportunities, less land available because taken by investors etc.

	<i>(e.g. new places for grazing, new grazing times, new practices such as stall feeding, new types (or abandonment) of cattle)</i> (If yes, ask 2.6.1-2.6.3) (If no, go to 2.7)	
2.6.1	In which year did the change happen?	
2.6.2	Why did the change happen?	
2.6.3	Did the LAIx have anything to do with these changes (size or use) and what? (if not already mentioned)	

Forest change

2.7.	Has the area of forest or tree cover in the area changed? (If yes, ask 2.7.1-2.7.4) (If no, go to 2.7.5)	
2.7.1	Increased / decreased?	
2.7.2	Are you talking about natural tree cover or planted trees (e.g. eucalyptus, mango etc.)?	
2.7.3	Why did it happen?	
2.7.4	In which year (or decade) did it happen?	
2.7.5	Is there still some forest / natural tree cover available in your area? (If yes, ask 2.7.6-2.7.8) (If no, go to 2.7.9)	
2.7.6	Which of the following benefits does the forest provide to you?	
2.7.6.1	Timber / construction wood?	
2.7.6.2	Firewood	
2.7.6.3	Medicinal plants	
2.7.6.4	Wild fruits / foods	
2.7.6.5	Freshwater source	
2.7.6.6	Wild animals for hunting	
2.7.7	How far do you have to go to collect these products (km or hours spent walking)?	
2.7.8	Apart from these products, do you think the forest is important for anything else and what? (Go to 3.1.)	

2.7.9	How do you obtain the following products today?	
2.7.9.1	Timber / construction wood?	
2.7.9.2	Firewood	
2.7.10	Do you think that the disappearance of forest has any other consequences / impacts for you?	

Part 3: Perceptions of direct impacts of LAIx on the environment and on human well-being

3.1.	Does the LAIx have any positive impacts for your household and which ones?	
3.2.	Does the LAIx have any negative impacts for your household and which ones?	
3.3.	Does the LAIx have any environmental impacts? (e.g. less water available, air pollution through pesticides etc.)	

3.4.	Do you apply irrigation for your own cropland?	
3.4.1.	What is your source of irrigation water (e.g. river, borehole, well, dam etc.)?	
3.4.2	Do you have sufficient irrigation water and if not, why?	
3.4.3	How is the quality of your irrigation water and if bad, why?	
3.4.4	From where did you get the knowledge about how to irrigate?	
3.4.5	Where did you get equipment for irrigation from?	

3.5.	What is your source of drinking water?	
3.5.1	Do you have sufficient drinking water and if not, why?	
3.5.2	How is the quality of your drinking water and if bad, why?	

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3.6	Do you apply any fertilizers to your crops and if yes, where do you get them from?	
3.6.1	If no, why not?	
3.6.2	Can you get fertilizers from LAIx, and if yes, are they cheaper than in the shops?	
3.6.3	How do you make decisions about which fertilizers to apply, the quantity and when to apply them?	

3.7.	Do you apply any chemicals (pesticides/herbicide) to your crops and if yes, where do you get them from?	
3.7.1	If no, why not?	
3.7.2	Can you get chemicals from LAIx, and if yes, are they cheaper than in the shops?	
3.7.3	How do you make decisions about which chemicals to use, what quantity to apply and when to apply?	

3.8	Do you think LAIx has any impact (positive or negative) on the health of this community and if yes, what impact?	
3.9	Has LAIx provided any infrastructure to this community?	
3.10	Are there any conflicts between members of the community due to LAIx?	
3.11	Are there any conflicts between members of the community and the LAIx?	
3.12	In general, do you find it good that LAIx is here or would you prefer them to leave?	

Interviewer: If the interviewee stated (under 1.6) that he used to work or currently works for LAIx ask the following questions.

3.13	What were the positive and negative aspects when you worked for LAIx?	
3.14	When you worked for LAIx, did you work with chemicals?	
3.14.1	Did you get protective clothing?	
3.14.2	Did you experience any health issues?	
3.15	Did you learn something from LAIx that you can use for your own crop cultivation and if yes, what?	

Interview Guide Mozambique

Identifiers

Interview number / code	
Name of interviewer	
Name and contact of interviewee (if agree)	
Gender of interviewee	
Age of interviewee	
Date and Time of interview	
Place of interview (e.g. homestead, field, a public place etc.)	
Coordinates of place of interview	
Coordinates of interviewees fields (if possible)	

Part 1: Household characteristics and involvement with LAIx⁴

1.1	Is (or was) your household engaged in any activities using cropland? (Yes, go to 1.1.2) (No, go to 1.1.1)	
1.1.1	If no, why, and what are your households' activities for income generation?	
1.1.2	If yes, what is your main source of income generation?	

1.2.	What crops do you plant?	
1.2.1.	Which of them do you sell?	
1.2.1.1	Who are you selling to? (contract farmer, market, LAIx)?	
1.2.1.2	If you are selling to LAIx, how regularly and do you get a higher price from LAIx than on the usual market?	

⁴ LAIx is the investment / agribusiness in whose neighbourhood the interviewed farmer lives

1.2.2	Which of them do you keep for own consumption?	
1.3	How big is the total area of your cropland? (in hectares) How many machambas do you have? How big is each one?	
1.3.1	How long does it take to get to each machamba (walking)?	
1.3.2	How often do you go to your machamba? (every day, once a week etc)	
1.3.3	Are any of your machambas located near a river? Which one and how far away from the river?	
1.3.3.1	How long do you use a machamba before moving? (Is it different for the machambas next to the river?)	

1.4	How long have you been living in this place?	
1.4.1	If moved here from somewhere else: why?	
1.5	How many people belong to your household ⁵ ?	

1.6	Is any household member working for LAIx at the moment (with our without contract, temporary, through contract farming etc.)?	
1.6.1	If no, was this the case earlier and why was it stopped?	
1.6.2	If no, why not?	
1.6.3	If yes, what kind of job?	
1.6.4	If yes, what kind of contractual arrangement? (e.g. <i>permanent contract, temporary, contract farming</i>)	

⁵ All people that are financially supported including children living in the city for schooling etc.

1.6.5	If yes, do you have enough labour force for your own cropland?	
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1.7	Do you own livestock? If yes, how many heads of each type (cows, goats, sheep, pigs)?	
1.7.1	Do you own grazing land for your livestock or do you use communal land for grazing?	
1.7.2	How big is the grazing land you own (hectares)?	
1.7.3	What do you use the livestock for (sell, consume animal products, work on farms)?	

Part 2: Land use and land (including soil and water) management change due to LAIx

Cropland change

2.1	Since what year do you cultivate or own your current area of cropland?	
2.2	Did you have any cropland which was taken by the LAIx? (If yes, ask 2.2.1-2.2.7) (If no, go to 2.3.)	
2.2.1	How big was this cropland (in hectares)?	
2.2.2	Which crops did you plant on that land?	
2.2.3	Were you compensated by LAIx for the cropland they took and if yes how much Meticals per hectare?	
2.2.4	Did you acquire new cropland when your cropland was taken by LAIx? (If yes, ask 2.2.5-2.2.7) (If no, go to)	
2.2.5	How much (in hectares)?	
2.2.6	What kind of land use was on this new cropland when you acquired it (e.g. forest / bush, grazing land, cropland)?	
2.2.7	What are the differences between the new cropland and the cropland which was taken by LAIx (e.g. soil quality, suitability for mechanization, rainfall etc.)?	

2.3	Has the size of your cropland changed in the last 10 years? (If yes, ask 2.3.1-2.3.4) (If no, go to 2.4)	
2.3.1	Increased / decreased by how many hectares?	Increased: Decreased:
2.3.2	What land use was present before the increase? What land use was present after the decrease?	Before: After:
2.3.3	In which year did the size change?	
2.3.4	Why did the size change?	

2.4	Have you changed anything with respect to your cropland management and what? <i>(e.g. crops planted, agricultural practices used, change in irrigation frequency / quantity, new tools, new inputs etc.)</i> (If yes, ask 2.4.1 – 2.4.4) (If no, go to 2.5)	
2.4.1	In which year did this change happen?	
2.4.2	Why did this change happen?	
2.4.3	Do these changes have any impact on the following:	Please circle: -2 strong decrease, -1 decrease, 0 no change, +1 increase, +2 strong increase
2.4.3.1	Crop yield	-2, -1, 0, 1, 2
2.4.3.2	Crop production	-2, -1, 0, 1, 2
2.4.3.3	Crop diversity	-2, -1, 0, 1, 2
2.4.3.4	Soil quality (fertility, structure etc.)	-2, -1, 0, 1, 2
2.4.3.5	Irrigation water use	-2, -1, 0, 1, 2
2.4.4	Did the LAIx have anything to do with these changes? ⁶ (if not mentioned yet)	

Grazing land change

Interviewer: For households using grazing land today (see 1.7.1) ask the following questions. For households not using grazing land today go to 2.7.

2.5.	Has the area available for grazing changed? (If yes, ask 2.5.1-2.5.4) (If no, go to 2.6)	
2.5.1	Increased / decreased by how many hectares?	
2.5.2	What land use was present before the increase? What land use was present after the decrease?	Before: After:
2.5.3	In which year did the area change?	
2.5.4	Why did the area change?	

⁶ e.g. less labour available because household member working with LAI, trainings, availability of new tools or inputs due to CSR projects, new market opportunities, less land available because taken by investors etc.

2.6.	Has anything changed with respect to your use of grazing land and what? (e.g. new places for grazing, new grazing times, new practices such as stall feeding, new types (or abandonment) of cattle) (If yes, ask 2.6.1-2.6.3) (If no, go to 2.7)	
2.6.1	In which year did the change happen?	
2.6.2	Why did the change happen?	
2.6.3	Did the LAIx have anything to do with these changes (size or use) and what? (if not already mentioned)	

Forest change

2.7.	Has the area of forest or tree cover in the area changed? (If yes, ask 2.7.1-2.7.4) (If no, go to 2.7.5)	
2.7.1	Increased / decreased?	
2.7.2	Are you talking about natural tree cover or planted trees (e.g. eucalyptus, mango etc.)?	
2.7.3	Why did it happen?	
2.7.4	In which year (or decade) did it happen?	
2.7.5	Is there still some forest / natural tree cover available in your area? (If yes, ask 2.7.6-2.7.8) (If no, go to 2.7.9)	
2.7.6	Which of the following benefits does the forest provide to you?	
2.7.6.1	Timber / construction wood?	
2.7.6.2	Firewood	
2.7.6.3	Medicinal plants	
2.7.6.4	Wild fruits / foods	
2.7.6.5	Freshwater source	
2.7.6.6	Wild animals for hunting	
2.7.7	How far do you have to go to collect these products (km or hours spent walking)?	

2.7.8	Apart from these products, do you think the forest is important for anything else and what? (Go to 3.1.)	
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2.7.9	How do you obtain the following products today?	
2.7.9.1	Timber / construction wood?	
2.7.9.2	Firewood	
2.7.10	Do you think that the disappearance of forest has any other consequences / impacts for you?	

Part 3: Perceptions of direct impacts of LAIx on the environment and on human well-being

3.1.	Does the LAIx have any positive impacts for your household and which ones?	
3.2.	Does the LAIx have any negative impacts for your household and which ones?	
3.3.	Does the LAIx have any environmental impacts? (e.g. less water available, air pollution through pesticides etc.)	

3.4.	Do you apply irrigation for your own cropland?	
3.4.1.	What is your source of irrigation water (e.g. river, borehole, well, dam etc.)?	
3.4.2	Do you have sufficient irrigation water and if not, why?	
3.4.3	How is the quality of your irrigation water and if bad, why?	
3.4.4	From where did you get the knowledge about how to irrigate?	
3.4.5	Where did you get equipment for irrigation from?	

3.5.	What is your source of drinking water?	
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3.5.1	Do you have sufficient drinking water and if not, why?	
3.5.2	How is the quality of your drinking water and if bad, why?	

3.6	Do you apply any fertilizers to your crops and if yes, where do you get them from?	
3.6.1	If no, why not?	
3.6.2	Can you get fertilizers from LAIx, and if yes, are they cheaper than in the shops?	
3.6.3	How do you make decisions about which fertilizers to apply, the quantity and when to apply them?	

3.7.	Do you apply any chemicals (pesticides/herbicide) to your crops and if yes, where do you get them from?	
3.7.1	If no, why not?	
3.7.2	Can you get chemicals from LAIx, and if yes, are they cheaper than in the shops?	
3.7.3	How do you make decisions about which chemicals to use, what quantity to apply and when to apply?	

3.8	Do you think LAIx has any impact (positive or negative) on the health of this community and if yes, what impact?	
3.9	Has LAIx provided any infrastructure to this community?	
3.10	Are there any conflicts between members of the community due to LAIx?	
3.11	Are there any conflicts between members of the community and the LAIx?	
3.12	In general, do you find it good that LAIx is here or would you prefer them to leave?	

Interviewer: If the interviewee stated (under 1.6) that he used to work or currently works for LAIx ask the following questions.

3.13	What were the positive and negative aspects when you worked for LAIx?	
3.14	When you worked for LAIx, did you work with chemicals?	
3.14.1	Did you get protective clothing?	
3.14.2	Did you experience any health issues?	
3.15	Did you learn something from LAIx that you can use for your own crop cultivation and if yes, what?	

Interview Guide Madagascar

Identificateurs

0.1. Code d'entretien	
0.2 Nom du fokontany et de la commune	
0.3 Nom de l'interviewé	
0.4 Contact de l'interviewé (numéro téléphone) (si d'accord)	
0.5 Genre de l'interviewé	
0.6 Age de l'interviewée	
0.7 Date et l'heure de l'entretien	
0.8 Lieu de l'entretien (p.ex. maison, champs, lieu publique etc.)	
0.9 Coordonnées GPS du lieu de l'entretien (format décimal)	
0.10 Coordonnées GPS des champs de l'interviewée (si possible)	

Partie 1: Caractéristiques du ménage et engagement avec le LAIx⁷

1.1	Depuis quand vivait vous ici?
1.1.1.	Si vous venez d'une autre localité – laquelle ?
1.1.2	Quelles sont les raisons qui vous ont amené à venir vivre ici?
1.2	Combien de personnes font partie de votre ménage? ⁸

1.3	Est-ce que il y a des membres de votre ménage qui travaillent pour LAIx en ce moment et sous quel arrangement contractuel (temporairement, en permanence, etc.)? Oui : (allez à 1.3.1) Non : (allez à 1.3.3)
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⁷ LAIx c'est l'entreprise / l'agrobusiness autour de laquelle vivent les paysans interviewés

⁸ Tous les personnes qui dépendent du ménage financièrement y inclus les enfants qui vivent en ville pour la scolarisation etc.

1.3.1	Si oui, quel type d'activités?
1.3.2	Si oui, comment choisissez-vous entre travailler pour LAix et travailler sur vos champs ? S'il y a du travail à faire sur vos champs, allez-vous quand même travailler pour LAix ? De même pour tous les membres du ménage ?
1.3.3	Si non, est-ce que c'était le cas avant et pourquoi ce n'est plus le cas aujourd'hui ?
1.3.4	Si aucun membre de votre ménage n'a travaillé pour LAix avant, pourquoi pas?

Partie 2: Changements d'utilisation et de la gestion de terres (y inclus la gestion d'eau et du sol) liés à LAix

Changement de terrains agricoles

2.1	Est-ce que votre ménage est (ou était) engagé avec des activités agricoles?	Oui : _____ (aller à 2.1.1)	Non : _____ (aller à 2.1.5)
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2.1.1. Si oui, lesquelles cultures plantez-vous?

	Culture	Superficie	Rendement	% Commercialisé	A quel prix (l'année dernière)	Vendu à qui?
1						
2						
3						
4						
5						
6						
2.1.1.1	Si vous vendez à LAix : a) selon quelle fréquence ?					

	<p>b) obtenez-vous un prix meilleur du LAIx comparé au marché régulier? Lequel ?</p> <p>c) avez-vous un contrat avec LAIx pour la vente et quel est son contenu?</p>
2.1.2	Combien de temps faut-il pour accéder à la parcelle la plus loin (à pieds) ?
2.1.3	Est-ce que vous avez aussi des activités non-agricoles ? Lesquels ?
2.1.4	Quelle de ces activités agricoles et non-agricoles est la source principale de votre revenu?
2.1.5	Si non, pourquoi, et quelles sont les sources de revenus pour votre ménage ?

2.2	Depuis quelle année cultivez-vous ou possédez-vous vos terrains agricoles actuels?
2.2.1	Est-ce que vous avez des terrains agricoles que vous avez loués ou vendus à LAIx? Oui : (allez à 2.2.1.1) _____ Non : (allez à 2.3) _____
2.2.1.1	Pourquoi ?
2.2.1.2	De quelle superficie étaient ces parcelles ?
2.2.1.3	Quelles cultures plantiez-vous sur ces terrains agricoles ?
2.2.1.4	Est-ce que vous étiez dédommagé par LAIx pour les terrains agricoles pris et comment?

2.2.2	<p>Est-ce que vous avez obtenu de nouveaux terrains agricoles quand le vôtre a été pris par LAIx? De la part de LAIx ou vous avez vous-même acheté ou mise en valeur ?</p> <p>Oui : _____ (allez à 2.2.2.1) Non : _____ (allez à 2.3)</p> <p>Explications : _____</p>
2.2.2.1	Quelle superficie?
2.2.2.2	Avant que vous avez obtenu ces terrains, ils avaient quelle type d'utilisation ? (p.ex. forêt / brousse, pâturages, terrains agricoles)?
2.2.2.3	Quelles sont les différences entre les nouveaux terrains agricoles et les terrains agricoles qui ont été pris par LAIx (p.ex. qualité du sol, possibilité de mécanisation, précipitation etc.)?

2.3	<p>Est-ce que la superficie de vos terrains agricoles a changé dans les dix dernières années ?</p> <p>Oui : _____ (allez à 2.3.1) Non : _____ (allez à 2.4)</p>
2.3.1	Pourquoi la superficie a changé ?
2.3.2	<p>Augmenté / diminué par quelle superficie?</p> <p>Augmenté: _____</p> <p>Diminué: _____</p>
2.3.3	<p>Quel type d'utilisation était présent avant ?</p> <p>Quel type d'utilisation était présent après?</p>
2.3.4	Dans quelle année le changement de la superficie a eu lieu ?

2.4	Depuis ces dix dernières années quelque chose a-t-il évolué dans vos pratiques agricoles? (p.ex. cultures plantés, techniques agricoles utilisés, changement de la fréquence ou quantité de l'irrigation, nouveaux outils, nouveaux intrants etc.) Oui : _____ (allez à 2.4.1) Non : _____ (allez à 2.5)	
2.4.1	Qu'est-ce qui a changé ?	
2.4.2	Quand ont eu lieu ces changements de pratique?	
2.4.3	Quelles étaient les raisons de ces changements? Comment avez-vous pu achever ces changements ?	
2.4.4	Est-ce que ces changements ont des impacts sur :	Veillez entourer: -2 forte diminution, -1 diminution, 0 pas de changement, +1 augmentation, +2 forte augmentation
2.4.4.1	Récolte de cultures	-2, -1, 0, 1, 2
2.4.4.2	Diversité de cultures	-2, -1, 0, 1, 2
2.4.4.3	Qualité du sol (fertilité, structure etc.)	-2, -1, 0, 1, 2
2.4.4.4	Utilisation de l'eau pour l'irrigation	-2, -1, 0, 1, 2
2.4.5	Est-ce que ces changements étaient liés à la présence de LAIx? ⁹ (si pas encore mentionné)	

⁹ P.ex. disponibilité de main d'œuvre réduite parce que les membres du ménage travaillent pour LAIx, formations, disponibilité de nouveaux outils ou intrants à cause des projets de responsabilité sociale des entreprises, nouvelles opportunités de marché, disponibilité de terres réduite etc.

Changements de pâturages

2.5	Est-ce que vous possédez du bétail? Oui : _____ (aller à 2.5.1) Non : _____ (aller à partie 3)
2.5.1	Combien de têtes de chaque type (zébus, chèvres, moutons, cochons)?
2.5.2	Où pâturent vos zébus, dans le même Fokontany ou ailleurs ? Si ailleurs, veuillez indiquer sur la carte le lieu.
2.5.3	Si les zébus pâturent ailleurs, pourquoi et comment vous vous-avez arrangé ?
2.5.4	A qui appartiennent les terrains de pâturage ?
2.5.5	Si à plusieurs personnes, faut-il demander l'autorisation pour y accéder? Faut-il donner une contrepartie?
2.5.6	Est-ce que les pâturages sont déjà saturés ou pas ? Si oui, pourquoi ? (S'il y a des pâturages dans différents lieux indiquer dans quel lieu).
2.5.7	Arrive-t-il qu'il y ait trop de éleveurs qui fassent pâture leurs bêtes sur ce même terrain et quels sont les conséquences ?
2.5.8	Si le fourrage n'est pas bon, avez-vous des alternatives? Lesquelles?
2.5.9	Jusqu'à combien d'heures de marche vous emmenez les animaux?
2.5.10	Si les pâturages appartiennent à vous, quelle superficie ont les pâturages?
2.5.11	Quelle est l'évolution récente de votre bétail ? Augmentation, diminution et pourquoi ?

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2.6.	Est-ce que la superficie ou le lieu de pâturages a changé ? Oui : _____ (allez à 2.6.1) Non : _____ (allez à 2.6)
2.6.1	Pourquoi la superficie ou le lieu a changé ?
2.6.2	Augmenté / diminué par quelle superficie?
2.6.2.1	Quel type de couvert végétal était présent avant l'augmentation? Quel type de couvert végétal était présent après la diminution?
2.6.3	Quand est ce que ces changements de superficie / emplacement ont-ils eu lieu ?

2.7.	En général, avez-vous changé vos pratiques d'élevage et comment? (p.ex. nouvelles pratiques comme l'élevage à l'étable, nouveaux types (ou abandon) de bétail) Oui : _____ (allez à 2.7.1) Non : _____ (allez à 2.8) Explications :
2.7.1	Quelles étaient les causes / raisons de ce changement?
2.7.2	Quand eu lieu le changement?
2.7.3	Est-ce que ces changements étaient liés à la présence de LAIx? ¹⁰ (si n'est pas encore mentionné)

¹⁰ P.ex. disponibilité de main d'œuvre réduite parce que les membres du ménage travaillent pour LAIx, formations, disponibilité de nouveaux outils ou intrants à cause des projets de responsabilité sociale des entreprises, nouvelles opportunités de marché, disponibilité de terres réduite etc.

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Changements de forêts

2.8.	Est-ce que la superficie de forêts ou de zones boisés a changé? Oui : _____ (allez à 2.8.1) Non : _____ (allez à 2.8.5)	
2.8.1	Est-ce que vous parlez des arbres forestiers ou des arbres plantés (p.ex. arbres fruitiers, eucalyptus etc.)?	
2.8.2	Augmenté / diminué?	
2.8.2.1	Quel type d'utilisation était présent avant l'augmentation? Quel type d'utilisation était présent après la diminution?	
2.8.3	Pourquoi ce changement a-t-il eu lieu ?	
2.8.4	Quelle année (ou décennie) ce changement est survenu ?	
2.8.5	Est-ce qu'il y a toujours de la forêt ou des zones boisés dans les alentours? A combien d'heures de marche ? Oui : _____ (allez à 2.8.6) Non : _____ (allez à 2.8.8) Explications :	
2.8.6	Quels bénéfices tirez-vous de la forêt?	Oui / non
2.8.6.1	Bois de construction	
2.8.6.2	Bois de chauffe	
2.8.6.3	Plantes médicinales	
2.8.6.4	Fruits sauvages	
2.8.6.5	De l'eau fraîche	
2.8.6.6	Gibier	
2.8.7	En plus de ces produits, est-ce que vous trouvez que la forêt a d'autres importances? Lesquelles?	
2.8.8	Si ce n'est pas dans la forêt, comment obtenez-vous le bois de construction aujourd'hui?	

2.8.9	Si ce n'est pas dans la forêt, comment obtenez-vous le bois de chauffe aujourd'hui ?
2.8.10	Est-ce que vous pensez que la disparition de la forêt a d'autres conséquences pour vous?

Partie 3: Perceptions des impacts directs de LAIx sur l'environnement et le bien-être humain

3.1.	Est-ce que LAIx a des impacts positifs pour votre ménage et lesquels?
3.2.	Est-ce que LAIx a des impacts négatifs pour votre ménage et lesquels?
3.3.	A votre avis est-ce que LAIx a des impacts sur l'environnement? (p.ex. diminution de la disponibilité de l'eau, pollution de l'air à travers des produits chimiques etc.)

3.4.	Est-ce que vous irriguez vos terrains agricoles? Oui : _____ (allez à 3.4.1) Non : _____ (allez à 3.5)
3.4.1.	Quelle est votre source d'eau pour l'irrigation? (p.ex. rivière, canal, fleuve, puit, barrage etc.)?
3.4.2	Est-ce que vous avez assez d'eau pour l'irrigation et sinon, quand et pourquoi?
3.4.3	Comment est la qualité de l'eau pour l'irrigation et si ce n'est pas de bonne qualité (p.ex. salée, trop de sédiments), pourquoi?
3.4.4	Comment avez-vous appris à gérer l'irrigation ?
3.4.5	D'où avez-vous obtenu vos outils d'irrigation?

3.5.	Quelle est votre source d'eau potable?
3.5.1	Est-ce que vous avez suffisamment d'eau potable et sinon, quand et pourquoi?
3.5.2	Comment est la qualité de votre eau potable et si elle n'est pas bonne, pourquoi?

3.6	Est-ce que vous utilisez des engrais et si oui, quel type (chimique ou organique) ? Oui : _____ (allez à 3.6.1) Non : _____ (allez à 3.6.3) Explications :
3.6.1	Si oui, où obtenez-vous les engrais?
3.6.2	Est-ce que vous avez la possibilité obtenir des engrais de LAIx et si oui, est-ce qu'ils sont meilleur marché que dans les magasins?
3.6.3	Si non, pourquoi vous n'en utilisez pas ?

3.7.	Est-ce que vous utilisez des produits chimiques (pesticides / herbicides) ? Lesquels ? Oui : _____ (allez à 3.7.1) Non : _____ (allez à 3.7.2) Explications :
3.7.1	Si oui, d'où obtenez-vous les produits chimiques?
3.7.2	Est-ce que vous avez la possibilité d'obtenir des produits chimiques de LAIx et si oui, est-ce qu'ils sont meilleur marché que dans les magasins?
3.7.3	Sinon, pourquoi n'en utiliser vous pas ?

3.8	Est-ce que vous pensez que LAIx a des impacts positifs ou négatifs sur la santé de la population locale et si oui, quel impact?
3.9	Est-ce que LAIx a fourni des infrastructures (e.g. barrage d'irrigation, route, bâtiment d'école) au village ?
3.10	Est-ce qu'ils existent des conflits entre les membres de la communauté locale à cause de la présence de LAIx? Si oui, pourquoi ?
3.11	Est-ce qu'ils existent des conflits entre les membres de la communauté locale et LAIx? Si oui, pourquoi ?
3.12	En générale, est-ce que vous appréciez la présence de LAIx ou vous préféreriez qu'ils partent ? Pourquoi ?

Interviewer: Si l'interviewé(e) a dit (à 1.3.) qu'il a travaillé ou qu'il travaille pour LAIx, poser les questions suivantes. Si non, l'entretien est terminé.

3.13	Quels étaient les aspects positifs et négatifs quand vous avez travaillé pour LAIx?
3.14	Quand vous avez travaillé pour LAIx, avez-vous travaillé avec des produits chimiques? Si oui, saviez-vous lesquelles?
3.14.1	Avez-vous reçu des vêtements de protection? Si oui, lesquels? Si non, pourquoi? Et les avez-vous demandés?
3.14.2	Est-ce que vous avez souffert des problèmes de santé? Si oui, lesquels?
3.15	Est-ce que vous avez obtenu de connaissances de LAIx qui sont utiles pour vos propres activités agricoles?