



# FEED <sup>THE</sup> FUTURE

The U.S. Government's Global Hunger & Food Security Initiative

# WOMEN'S EMPOWERMENT IN AGRICULTURE INDEX (WEAI) 101

## PARTICIPANT MANUAL



**USAID**  
FROM THE AMERICAN PEOPLE

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# I. OVERVIEW OF WEAI 101

## A. Purpose

The aim of this course is to provide participants with a foundational knowledge of the WEAI and its results to better understand its role in informing gender-responsive programming. It also ensures USAID Feed the Future staff will more clearly understand how their programming will be measured vis-à-vis the WEAI.

## B. Learning Objectives

By the end of this workshop, participants will:

- Articulate what the WEAI measures, including the 5 Domains of Empowerment
- Describe the methodology used in the WEAI and how it measures empowerment
- Demonstrate a foundational ability to interpret and explain their country's WEAI results
- Plan for one possible action to take using the WEAI as part of their role and responsibilities

## C. Agenda

9:00~1:00 Open the Workshop and Welcome

- Workshop Objectives and Agenda
- What is Empowerment?
- Why a WEAI?
- Understanding WEAI through the Lens of Bangladesh
- Construction of the WEAI: 5 Domains of Empowerment
- Gender Parity Index

10:45~2:45 Tea Break

11:00~3:00 WEAI Survey Exercise

Using the WEAI in Your Country

1:00~5:00 Close the Session & Evaluate

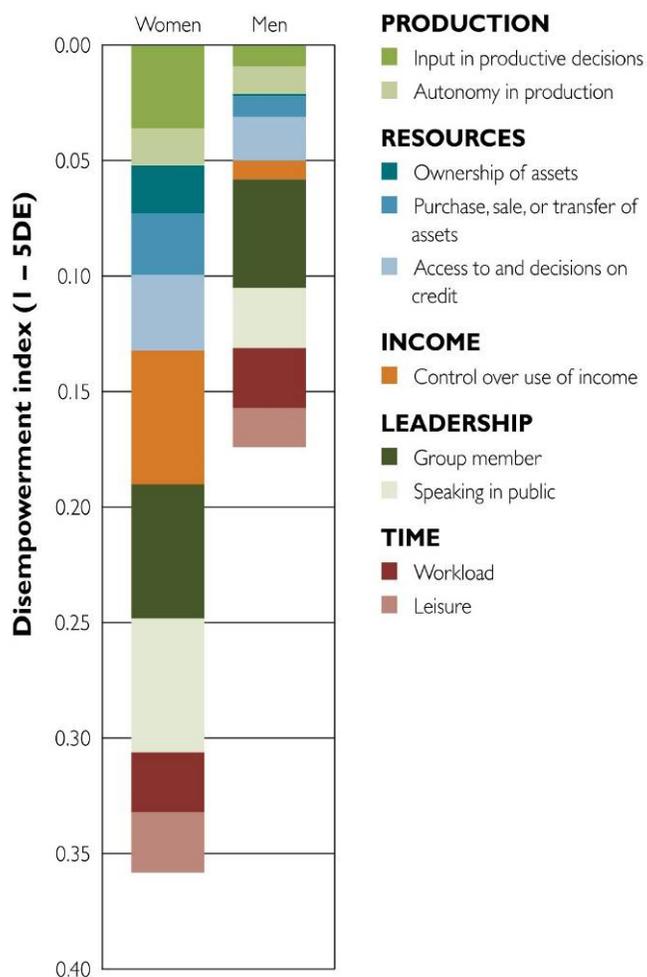


## II. EXERCISES

### A. Bangladesh Exercise and Reflection Sheet

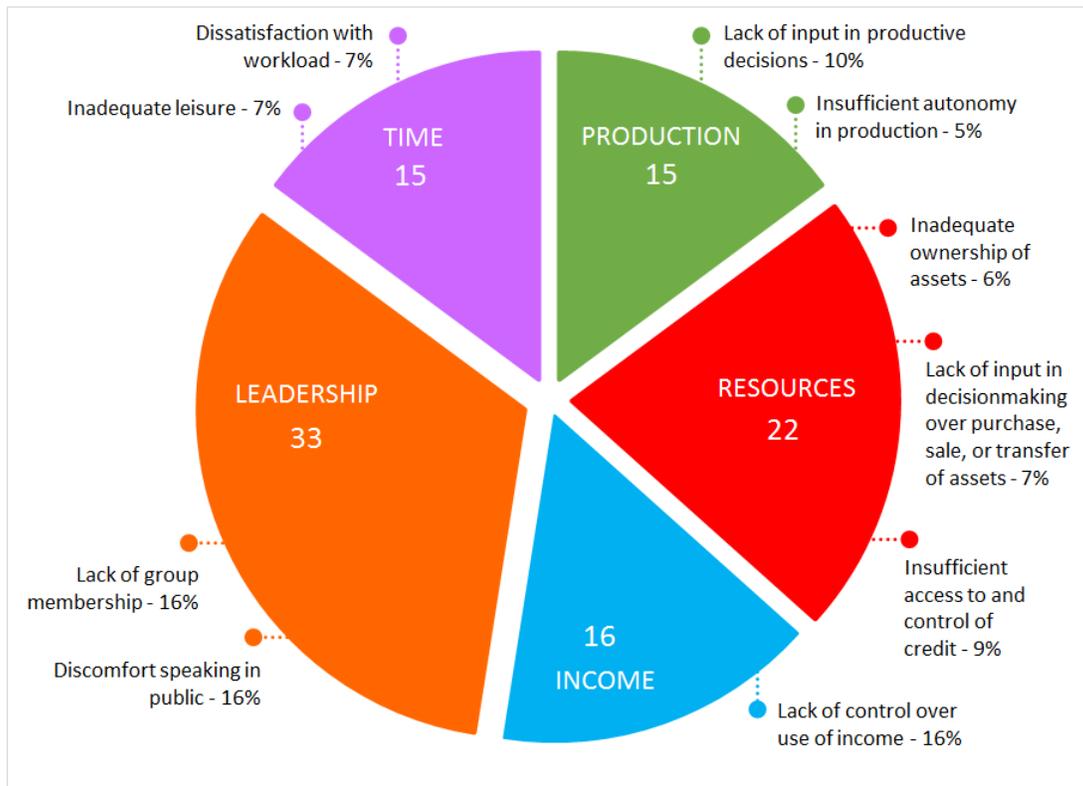
<b>Baseline WEAI</b>	0.66
<b>5 Domains of Empowerment</b>	0.65
<b>Gender Parity Index</b>	0.80

**Figure 1. Contribution of Each Indicator to Disempowerment**



Source: IFPRI (2012a).

**Figure 2. Contribution of Each of the Five Domains to Women's Disempowerment**



## Participant Notes

**Key constraints for women:**

**Key constraints for men:**

**Other points of note:**

## B. Video Survey Sheet

### WEAI SURVEY EXERCISE

Now I'd like to ask you about your household's access to and ownership of a number of items that could be used to generate income.		Does anyone in your household currently have any [ITEM]?	Do you own any of the item? CIRCLE <b>ALL</b> APPLICABLE	Who would you say can decide whether to sell, give away, mortgage or rent [ITEM] most of the time? CIRCLE <b>ALL</b> APPLICABLE	Who would you say can decide whether to purchase a new [ITEM] most of the time? CIRCLE <b>ALL</b> APPLICABLE
PRODUCTIVE CAPITAL <sup>1</sup>		G3.01	G3.02	G3.03	G3.04
<b>A</b>	Agricultural land (pieces/plots)	YES ..... 1 NO ..... 2 → ITEM B	YES, SOLELY ..... 1 YES, JOINTLY ..... 2 NO ..... 3	SELF ..... 1 PARTNER / SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER .. 4 NOT APPLICABLE ..... 98	SELF ..... 1 PARTNER / SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER .. 4 NOT APPLICABLE ..... 98
<b>B</b>	Large livestock (oxen, cattle)	YES ..... 1 NO ..... 2 → ITEM C	YES, SOLELY ..... 1 YES, JOINTLY ..... 2 NO ..... 3	SELF ..... 1 PARTNER / SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER .. 4 NOT APPLICABLE ..... 98	SELF ..... 1 PARTNER / SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER .. 4 NOT APPLICABLE ..... 98
<b>C</b>	Small livestock (goats, pigs, sheep)	YES ..... 1 NO ..... 2 → ITEM D	YES, SOLELY ..... 1 YES, JOINTLY ..... 2 NO ..... 3	SELF ..... 1 PARTNER / SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER .. 4 NOT APPLICABLE ..... 98	SELF ..... 1 PARTNER / SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER .. 4 NOT APPLICABLE ..... 98
<b>D</b>	Chickens, Ducks, Turkeys, Pigeons	YES ..... 1 NO ..... 2 → ITEM E	YES, SOLELY ..... 1 YES, JOINTLY ..... 2 NO ..... 3	SELF ..... 1 PARTNER / SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER .. 4 NOT APPLICABLE ..... 98	SELF ..... 1 PARTNER / SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER .. 4 NOT APPLICABLE ..... 98

1. Examples given within productive capital categories are not extensive and should be adapted to local context by either adding to or replacing suggestions in parentheses.

## C. Tom and Jane: Welcome to Our Farm!

- Jane and Tom are a couple.
- Their household has a small garden by the house and a larger plot just outside the village.
- They grow maize, pigeon peas and a few vegetables. For these crops, the family uses machetes and other hand tools.
- Jane keeps some chickens and recently bought a goat with the money she earned from selling eggs. There are two other goats.
- Tom bought an ox that Jane takes care of and that their son takes out to the communal grazing area. There is no stall for the ox.
- Tom recently bought a plow so that he can rent ox-plow services to his neighbors.

Jane



Tom



## **D. Video: Table Questions Reflection Sheet**

With the question assigned to your table, make notes below on your observations as you watch the WEAI Survey video.

**How much control did Jane have over what she owns?**

**If this interview were to happen in your country, do you think Tom would respond similarly? Why or why not?**

**What is owned jointly? What is owned by Jane? What is owned by Tom?**

**How much control did Jane have over assets she said she owned or took care of? How much control did Tom have over assets Jane owned or took care of?**

## **E. Your Country's WEAI Data Reflection Sheet**

**What are the top 3 constraints for women in your country?**

**What are the top 3 constraints for men in your country?**

**What else do you notice about your WEAI data?**

**With these data, what is one thing you might do differently in your programming or in your M&E?**

## **F. Your Commitment to WEAI Moving Forward**

**Write at least one way you can imagine putting your country-specific WEAI data to use.**

**How would this change your programming?**



### III. WEAI INSTRUMENTS

#### A. WEAI Versions Summary

Table I summarizes the different versions of the WEAI.

**Table I. WEAI Versions**

	<b>WEAI*</b>	<b>A-WEAI</b>	<b>PRO-WEAI</b>	<b>AD HOC WEAI ADAPTATIONS</b>
<b>Background &amp; description</b>	This is the first, original version of the WEAI. It was piloted in 2011 in Uganda, Bangladesh and Guatemala, and was formally launched in 2012. It was included in the 19 Feed the Future baseline surveys.	Stands for “Abbreviated WEAI.” It was developed to shorten the time to implement the WEAI interviews by roughly 30% and to address challenges that had arisen during the baseline surveys of the original WEAI. It was piloted in Uganda and Bangladesh in 2014, and formally launched in 2015.	Under development. Stands for “Project WEAI.” Intended to be applicable to various types of agriculture and food security projects, depending upon their focus (e.g., nutrition, livestock). Uses the A-WEAI as a starting point and adds specialized project-relevant modules, designed and tested by the WEAI team. Indicators still to be validated; cutoffs and weights to be adjusted.	Independent adaptations of the WEAI that aim to measure empowerment using the WEAI as a starting point. These tools adapt various aspects of the WEAI methodology to the specific context and thus capture domains and indicators beyond the original WEAI. Ad hoc adaptations are conducted and piloted by organizations independently, and should be clearly designated as adaptations of the WEAI, not the WEAI itself.
<b>Domains covered</b>	<ul style="list-style-type: none"> <li>• Production</li> <li>• Resources</li> <li>• Income</li> <li>• Leadership</li> <li>• Time</li> </ul>	<ul style="list-style-type: none"> <li>• Production</li> <li>• Resources</li> <li>• Income</li> <li>• Leadership</li> <li>• Time</li> </ul>	<ul style="list-style-type: none"> <li>• Production</li> <li>• Resources</li> <li>• Income</li> <li>• Leadership</li> <li>• Time</li> </ul> <p>Additional domains may be included using add-on modules.</p>	Any combination of domains

	WEAI*		A-WEAI		PRO-WEAI	AD HOC WEAI ADAPTATIONS
<b>Indicators covered &amp; associated weights</b>	<ul style="list-style-type: none"> <li>• Input in productive decisions</li> <li>• Autonomy in production</li> <li>• Asset ownership</li> <li>• Rights over assets</li> <li>• Access to and decision over credit</li> <li>• Control over use of income</li> <li>• Group membership</li> <li>• Speaking up in public</li> <li>• Workload</li> <li>• Satisfaction with leisure</li> </ul>	1/10  1/10  1/15  1/15  1/15  1/5  1/10  1/10  1/10  1/10	<ul style="list-style-type: none"> <li>• Input in productive decisions</li> <li>• Asset ownership</li> <li>• Access to and decisions over credit</li> <li>• Control over use of income</li> <li>• Group membership</li> <li>• Workload</li> </ul>	1/5  2/15 1/15  1/5 1/5 1/5	A-WEAI indicators will be the starting point for the Pro-WEAI, plus additional indicators to be developed. Note that all indicators, cutoffs and weights will be tested and validated.	Any combination of indicators and any weighting scheme can be chosen, as determined by the organization.
<b>Survey instrument**</b>	Standardized set of modules		Standardized set of modules		Standardized modules with choice of standardized project- relevant add-on modules	Any modifications to standardized modules

	<b>WEAI*</b>	<b>A-WEAI</b>	<b>PRO-WEAI</b>	<b>AD HOC WEAI ADAPTATIONS</b>
<b>Pros</b>	<p>Most comprehensive of the versions</p> <p>Fully comparable to original baselines</p>	<p>Shorter administration time compared with the original WEAI (reduced by 30%).</p> <p>Does not include some of the more problematic modules from original baselines.</p> <p>When compared with the original WEAI using the second pilot data, the top two constraints contributing to women’s and men’s disempowerment remained the same.</p>	<p>Within a specified methodology, to be determined by IFPRI, users can determine what indicators to use based on their project objectives and context</p> <p>Some standardized components will be comparable across all projects using pro-WEAI</p> <p>Specialized project-relevant modules are comparable within clusters of projects working on similar issues</p>	<p>Users can determine what WEAI indicators to use and what new indicators to add.</p> <p>Organizations can choose to frame questions differently from how they are asked in standardized modules.</p> <p>Organizations can include domains and indicators that are not included in standardized modules.</p>
<b>Cons</b>	<p>Length: Takes 30-45 minutes to administer per respondent.</p> <p>Includes modules that were problematic in the field (i.e., group membership, time allocation, autonomy in production).</p>	<p>Measures fewer indicators of empowerment; dropping four indicators.</p> <p>Comparable only to original baselines if analysis is restricted to six indicators.</p> <p>When compared with the original WEAI using the second pilot data, one of the top three indicators contributing to women’s and men’s disempowerment changed.</p>	<p>Not comparable to original baselines.</p> <p>Potentially longer administration time than the A-WEAI.</p>	<p>Not comparable to original baselines.</p> <p>Not comparable to other ad hoc adaptations that other organizations may make</p>

	<b>WEAI*</b>	<b>A-WEAI</b>	<b>PRO-WEAI</b>	<b>AD HOC WEAI ADAPTATIONS</b>
<b>Comparable to WEAI Feed the Future baseline surveys?</b>	Yes	Yes. Subject to recalculation of baseline to restrict to six indicators.	No	No
<b>Can weights, cutoffs &amp; aggregation methods be modified?</b>	No, but can do sensitivity analyses	No, but can do sensitivity analyses	Yes, but within a specified methodology, to be determined by IFPRI in GAAP2	Yes
<b>Can this be called “WEAI”?</b>	Yes	Yes, “A-WEAI.”	Yes, “Pro-WEAI.”	No, though organizations can note it was “inspired or influenced by the WEAI.”

\*This includes the original WEAI (also referred to as WEAI 1.0) as well as a slightly modified version of the original, which is referred to as the WEAI 1.1. Developed in 2013 after the Feed the Future baselines, the WEAI 1.1. reflects minor changes to wording and response codes to clarify issues that arose in the field. It also replaces the original autonomy questions with vignettes. The WEAI 1.1 includes all the same domains and indicators as the original WEAI and uses exactly the same cutoffs and weights.

\*\*Standardized modules obtained from IFPRI’s WEAI Resource Center <http://www.ifpri.org/topic/weai-resource-center>.

## B. Full WEAI Instrument

### MODULE G. WOMEN'S EMPOWERMENT IN AGRICULTURE INDEX

**Note:** the information in module G1 can be captured in different ways; however there must be a way to a) identify the proper individual within the household to be asked the survey, b) link this individual from the module to the household roster, c) code the outcome of the interview, especially if the individual is not available, to distinguish this from missing data, d) record who else in the household was present during the interview. This instrument must be adapted for country context including translations into local languages when appropriate.

**Enumerator:** This questionnaire should be administered separately to the primary and secondary respondents identified in the household roster (Section c) of the household level questionnaire. You should complete this coversheet for each individual identified in the "selection section" even if the individual is not available to be interviewed for reporting purposes.

Please double check to ensure:

- You have completed the roster section of the household questionnaire to identify the correct primary and/or secondary respondent(s);
- You have noted the household ID and individual ID correctly for the person you are about to interview;
- You have gained informed consent for the individual in the household questionnaire;
- You have sought to interview the individual in private or where other members of the household cannot overhear or contribute answers.
- Do not attempt to make responses between the primary male decisionmaker and the primary female decisionmaker the same—it is ok for them to be different.

#### MODULE G1. INDIVIDUAL IDENTIFICATION

	Code		Code
G1.01. HOUSEHOLD IDENTIFICATION: .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	G1.05. OUTCOME OF INTERVIEW:	COMPLETED ..... 1 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED ..... 2 RESPONDENT NOT AT HOME/TEMPORARILY UNAVAILABLE ..... 3 RESPONDENT NOT AT HOME/EXTENDED ABSENCE ..... 4 REFUSED ..... 5 COULD NOT LOCATE ..... 6
G1.02. NAME OF RESPONDENT CURRENTLY BEING INTERVIEWED (ID CODE FROM ROSTER IN SECTION C HOUSEHOLD ROSTER): SURNAME, FIRST NAME: .....	<input type="text"/> <input type="text"/>	G1.06. ABILITY TO BE INTERVIEWED ALONE:	ALONE ..... 1 WITH ADULT FEMALES PRESENT ..... 2 WITH ADULT MALES PRESENT ..... 3 WITH ADULTS MIXED SEX PRESENT ..... 4 WITH CHILDREN PRESENT ..... 5 WITH ADULTS MIXED SEX AND CHILDREN PRESENT ..... 6
G1.03. SEX OF RESPONDENT:	MALE ..... 1 FEMALE ..... 2		
G1.04 TYPE OF HOUSEHOLD	MALE AND FEMALE ADULT ..... 1 FEMALE ADULT ONLY ..... 2		

**MODULE G2: ROLE IN HOUSEHOLD DECISION-MAKING AROUND PRODUCTION AND INCOME GENERATION**

HOUSEHOLD IDENTIFICATION (IN DATA FILE, EACH SUB-MODULE (G2-G6) MUST BE LINKED WITH HH AND RESPONDENT ID)

RESPONDENT ID CODE


"Now I'd like to ask you some questions about your participation in certain types of work activities."		Did you yourself participate in [ACTIVITY] in the past 12 months (that is, during the last [one/two] cropping seasons)?	How much input did you have in making decisions about [ACTIVITY]?	How much input did you have in decisions on the use of income generated from [ACTIVITY]?
ACTIVITY				
ACTIVITYCODE	ACTIVITY DESCRIPTION	G2.01	G2.02	G2.03
<b>A</b>	Food crop farming: These are crops that are grown primarily for household food consumption	YES ..... 1 NO ..... 2 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE .....98 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY
<b>B</b>	Cash crop farming: These are crops that are grown primarily for sale in the market	YES ..... 1 NO ..... 2 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY
<b>C</b>	Livestock raising	YES ..... 1 NO ..... 2 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY
<b>D</b>	Non-farm economic activities: This would include things like running a small business, self-employment, buy-and-sell	YES ..... 1 NO ..... 2 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY
<b>E</b>	Wage and salary employment: This could be work that is paid for in cash or in-kind, including both agriculture and other wage work	YES ..... 1 NO ..... 2 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY
<b>F</b>	Fishing or fishpond culture	YES ..... 1 NO ..... 2 → SKIP TO MODULE G3(A)	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY	NO INPUT OR INPUT IN FEW DECISIONS... 01 INPUT INTO SOME DECISIONS.....02 INPUT INTO MOST OR ALL DECISIONS.....03 NO DECISION MADE.....98 → SKIP TO NEXT ACTIVITY

**MODULE G3(A): ACCESS TO PRODUCTIVE CAPITAL**

"Now I'd like to ask you about your household's ownership of a number of items that could be used to generate income."

PRODUCTIVE CAPITAL		Does anyone in your household currently have any [ITEM]?	How many of [ITEM] does your household currently have?	Who would you say owns most of the [ITEM]? CIRCLE ALL APPLICABLE	Who would you say can decide whether to sell [ITEM] most of the time? CIRCLE ALL APPLICABLE	Who would you say can decide whether to give away [ITEM] most of the time? CIRCLE ALL APPLICABLE	Who would you say can decide to mortgage or rent out [ITEM] most of the time? CIRCLE ALL APPLICABLE	Who contributes most to decisions regarding a new purchase of [ITEM]? CIRCLE ALL APPLICABLE
PRODUCTIVE CAPITAL <sup>1</sup>		G3.01a	G3.01b	G3.02	G3.03	G3.04	G3.05	G3.06
<b>A</b>	Agricultural land (pieces/plots)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98
	<b>B</b>	Large livestock (oxen, cattle)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98
<b>C</b>	Small livestock (goats, pigs, sheep)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98
<b>D</b>	Chickens, Ducks, Turkeys, Pigeons	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98
<b>E</b>	Fish pond or fishing equipment	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98
<b>F</b>	Farm equipment (non-mechanized: hand tools, animal-drawn plows)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98
<b>G</b>	Farm equipment (mechanized: tractor-plough, power tiller, treadle pump)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98
<b>H</b>	Nonfarm business equipment (solar panels used for recharging, sewing machine, brewing equipment, fryers)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98				

<sup>1</sup> Examples given within productive capital categories are not extensive and should be adapted to local context by either adding to or replacing suggestions in parentheses.

PRODUCTIVE CAPITAL		Does anyone in your household currently have any [ITEM]?	How many of [ITEM] does your household currently have?	Who would you say owns most of the [ITEM]? CIRCLE ALL APPLICABLE	Who would you say can decide whether to sell [ITEM] most of the time? CIRCLE ALL APPLICABLE	Who would you say can decide whether to give away [ITEM] most of the time? CIRCLE ALL APPLICABLE	Who would you say can decide to mortgage or rent out [ITEM] most of the time? CIRCLE ALL APPLICABLE	Who contributes most to decisions regarding a new purchase of [ITEM]? CIRCLE ALL APPLICABLE
PRODUCTIVE CAPITAL <sup>1</sup>		G3.01a	G3.01b	G3.02	G3.03	G3.04	G3.05	G3.06
I	House or other structures	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98				
J	Large consumer durables (refrigerator, TV, sofa)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98				
K	Small consumer durables (radio, cookware)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98				
L	Cell phone	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98				
M	Other land not used for agricultural purposes (pieces/plots, residential or commercial land)	YES..1 NO...2→ SKIP TO NEXT ITEM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98				
N	Means of transportation (bicycle, motorcycle, car)	YES..1 NO...2→ SKIP TO MODULE G3(B)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SELF .....1 PARTNER/SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER ..4 NOT APPLICABLE .....98				

### MODULE G3(B): ACCESS TO CREDIT

"Next I'd like to ask about your household's experience with borrowing money or other items in the past 12 months."

LENDING SOURCES		Has anyone in your household taken any loans or borrowed cash/in-kind from [SOURCE] in the past 12 months?	Who made the decision to borrow from [SOURCE]? CIRCLE ALL APPLICABLE	Who makes the decision about what to do with the money/ item borrowed from [SOURCE]? CIRCLE ALL APPLICABLE
LENDING SOURCE NAMES <sup>2</sup>		G3.07	G3.08	G3.09
<b>A</b>	Non-governmental organization (NGO)	YES, CASH ..... 1	SELF ..... 1	SELF ..... 1
		YES, IN-KIND ..... 2	SPOUSE ..... 2	SPOUSE ..... 2
		YES, CASH AND IN-KIND ..... 3	OTHER HH MEMBER ..... 3	OTHER HH MEMBER ..... 3
		NO ..... 4 → GO TO NEXT SOURCE	OTHER NON-HH MEMBER ..... 4	OTHER NON-HH MEMBER ..... 4
		DON'T KNOW ..... 97	NOT APPLICABLE ..... 98	NOT APPLICABLE ..... 98
<b>B</b>	Informal lender	YES, CASH ..... 1	SELF ..... 1	SELF ..... 1
		YES, IN-KIND ..... 2	SPOUSE ..... 2	SPOUSE ..... 2
		YES, CASH AND IN-KIND ..... 3	OTHER HH MEMBER ..... 3	OTHER HH MEMBER ..... 3
		NO ..... 4 → GO TO NEXT SOURCE	OTHER NON-HH MEMBER ..... 4	OTHER NON-HH MEMBER ..... 4
		DON'T KNOW ..... 97	NOT APPLICABLE ..... 98	NOT APPLICABLE ..... 98
<b>C</b>	Formal lender (bank/financial institution)	YES, CASH ..... 1	SELF ..... 1	SELF ..... 1
		YES, IN-KIND ..... 2	SPOUSE ..... 2	SPOUSE ..... 2
		YES, CASH AND IN-KIND ..... 3	OTHER HH MEMBER ..... 3	OTHER HH MEMBER ..... 3
		NO ..... 4 → GO TO NEXT SOURCE	OTHER NON-HH MEMBER ..... 4	OTHER NON-HH MEMBER ..... 4
		DON'T KNOW ..... 97	NOT APPLICABLE ..... 98	NOT APPLICABLE ..... 98
<b>D</b>	Friends or relatives	YES, CASH ..... 1	SELF ..... 1	SELF ..... 1
		YES, IN-KIND ..... 2	SPOUSE ..... 2	SPOUSE ..... 2
		YES, CASH AND IN-KIND ..... 3	OTHER HH MEMBER ..... 3	OTHER HH MEMBER ..... 3
		NO ..... 4 → GO TO NEXT SOURCE	OTHER NON-HH MEMBER ..... 4	OTHER NON-HH MEMBER ..... 4
		DON'T KNOW ..... 97	NOT APPLICABLE ..... 98	NOT APPLICABLE ..... 98
<b>E</b>	Group based micro-finance or lending including VSLAs / SACCOs/ merry-go-rounds	YES, CASH ..... 1	SELF ..... 1	SELF ..... 1
		YES, IN-KIND ..... 2	SPOUSE ..... 2	SPOUSE ..... 2
		YES, CASH AND IN-KIND ..... 3	OTHER HH MEMBER ..... 3	OTHER HH MEMBER ..... 3
		NO ..... 4 → GO TO MODULE G4	OTHER NON-HH MEMBER ..... 4	OTHER NON-HH MEMBER ..... 4
		DON'T KNOW ..... 97	NOT APPLICABLE ..... 98	NOT APPLICABLE ..... 98

**MODULE G4: INDIVIDUAL LEADERSHIP AND INFLUENCE IN THE COMMUNITY**

"Now I have a few questions about how comfortable you feel speaking up in public when the community needs to make important decisions."

QNO.	QUESTION	RESPONSE
G4.01	Do you feel comfortable speaking up in public to help decide on infrastructure (like small wells, roads, water supplies) to be built in your community?	NO, NOT AT ALL COMFORTABLE ..... 1 >> NEXT QUESTION YES, BUT WITH DIFFICULTY .....2 YES, COMFORTABLY .....3 NOT APPLICABLE .....98
G4.02	Do you feel comfortable speaking up in public to ensure proper payment of wages for public works or other similar programs?	NO, NOT AT ALL COMFORTABLE ..... 1 >> NEXT QUESTION YES, BUT WITH DIFFICULTY .....2 YES, COMFORTABLY .....3 NOT APPLICABLE .....98
G4.03	Do you feel comfortable speaking up in public to protest the misbehavior of authorities or elected officials?	NO, NOT AT ALL COMFORTABLE ..... 1 >> NEXT QUESTION YES, BUT WITH DIFFICULTY .....2 YES, COMFORTABLY .....3 NOT APPLICABLE .....98

**MODULE G4 continued: GROUP MEMBERSHIP**

"Now I'm going to ask you about groups in the community. These can be either formal or informal and customary groups."

GROUP MEMBERSHIP		Is there a [GROUP] in your community?	Are you an active member of this [GROUP]?
	GROUP CATEGORIES	G4.04	G4.05
<b>A</b>	Agricultural / livestock/ fisheries producer's group (including marketing groups)	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>B</b>	Water users' group	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>C</b>	Forest users' group	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>D</b>	Credit or microfinance group (including SACCOs/merry-go-rounds/ VSLAs)	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>E</b>	Mutual help or insurance group (including burial societies)	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>F</b>	Trade and business association	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>G</b>	Civic groups (improving community) or charitable group (helping others)	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>H</b>	Local government	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>I</b>	Religious group	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>J</b>	Other [women's/men's] group (only if it does not fit into one of the other categories)	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2
<b>K</b>	Other (SPECIFY) _____	YES.....1 NO.....2 DON'T KNOW.....97 → SKIP TO NEXT GROUP	YES.....1 NO.....2

**MODULE G5(A): DECISION MAKING**

"Now I have some questions about making decisions about various aspects of household life."

ACTIVITY		When decisions are made regarding [ACTIVITY] who is it that normally takes the decision? CIRCLE ALL APPLICABLE	To what extent do you feel you can make your own personal decisions regarding [ACTIVITY] if you want(ed) to?
		NOTE: DO NOT ASK G5.02 IF SELF IS THE ONLY RESPONSE	
ACTIVITY		G5.01	G5.02
A	Getting inputs for agricultural production	SELF ..... 1 SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER ..... 4 NOT APPLICABLE ..... 98 → SKIP TO NEXT ACTIVITY	NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT ..... 4
B	The types of crops to grow	SELF ..... 1 SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER ..... 4 NOT APPLICABLE ..... 98 → SKIP TO NEXT ACTIVITY	NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT ..... 4
C	Taking crops to the market (or not)	SELF ..... 1 SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER ..... 4 NOT APPLICABLE ..... 98 → SKIP TO NEXT ACTIVITY	NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT ..... 4
D	Livestock raising	SELF ..... 1 SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER ..... 4 NOT APPLICABLE ..... 98 → SKIP TO NEXT ACTIVITY	NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT ..... 4
E	Your own (singular) wage or salary employment	SELF ..... 1 SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER ..... 4 NOT APPLICABLE ..... 98 → SKIP TO NEXT ACTIVITY	NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT ..... 4
F	Major household expenditures (such as a large appliance for the house like refrigerator)	SELF ..... 1 SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER ..... 4 NOT APPLICABLE ..... 98 → SKIP TO NEXT ACTIVITY	NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT ..... 4
G	Minor household expenditures (such as food for daily consumption or other household needs)	SELF ..... 1 SPOUSE ..... 2 OTHER HH MEMBER ..... 3 OTHER NON-HH MEMBER ..... 4 NOT APPLICABLE ..... 98 → SKIP TO MODULE G5(B)	NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT ..... 4

**MODULE G5(B): MOTIVATION FOR DECISION MAKING**

"Now I am going to read you some stories about different farmers and their situations regarding different agricultural activities. This question format is different from the rest so take your time in answering. For each I will then ask you how much you are like or not like each of these people. We would like to know if you are completely different from them, similar to them or somewhere in between. There are no right or wrong answers to these questions." **ENUMERATOR: READ EACH STORY, SUBSEQUENT QUESTION, AND RESPONSE CODES ALOUD. CIRCLE ONE RESPONSE CODE.**

**NOTE: NAMES SHOULD BE ADOPTED TO LOCAL CONTEXT AND TO BE MALE/FEMALE DEPENDING ON THE SEX OF THE RESPONDENT.**

			STORY	QUESTION 1	RESPONSE	QUESTION 2	RESPONSE (CIRCLE ONE)	QUESTION 3	RESPONSE (CIRCLE ONE)
A	The types of crops to grow for consumption and sale in market	G4.A1	<i>"[PERSON'S NAME] can't grow other types of crops here for consumption and sale in market. Beans, sweet potato and maize are the only crops that grow here."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.A2  Somewhat the same...2→ Skip to G4.A2	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
		G4.A2	<i>"[PERSON'S NAME] is a farmer and grows beans, sweet potato, and maize because her spouse, or another person or group in her community tells her she must grow these crops. She does what they tell her to do."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.A3  Somewhat the same...2→ Skip to G4.A3	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
		G4.A3	<i>"[PERSON'S NAME] grows the crops for agricultural production that her family or community expect. She wants them to approve of her as a good farmer."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.A4  Somewhat the same...2→ Skip to G4.A4	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2

		<b>G4.A4</b>	<i>"[PERSON'S NAME] chooses the crops that she personally wants to grow for consumption and sale in market and thinks are best for her family and business. She values growing these crops. If she changed her mind, she could act differently."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.B1  Somewhat the same...2→Skip to G4.B1	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
<b>B</b>	Taking crops to the market (or not)	<b>G4.B1</b>	<i>"There is no alternative to how much or how little of her crops [PERSON'S NAME] can take to the market. She is taking the only possible amount."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.B2  Somewhat the same...2→Skip to G4.B2	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
		<b>G4.B2</b>	<i>"[PERSON'S NAME] takes crops to the market because her spouse, or another person or group in her community tell her she must sell them there. She does what they tell her to do."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.B3  Somewhat the same...2→Skip to G4.B3	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
		<b>G4.B3</b>	<i>"[PERSON'S NAME] takes the crops to the market that her family or community expect. She wants them to approve of her as a good business woman."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.B4  Somewhat the same...2 →Skip to G4.B4	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
		<b>G4.B4</b>	<i>"[PERSON'S NAME] chooses to take the crops to market that she personally wants to sell there, and thinks is best for her family and business. She values this approach to sales. If she changed her mind, she could act differently."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.C1  Somewhat the same...2 →Skip to G4.C1	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2

C	Livestock raising	<b>G4.C1</b>	<i>"[PERSON'S NAME] can't raise any livestock other than what she has. These are all that's available."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.C2  Somewhat the same...2 →Skip to G4.C2	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
		<b>G4.C2</b>	<i>"[PERSON'S NAME] raises the types of livestock she does because her spouse, or another person or group in her community tell her she must use these breeds. She does what they tell her to do."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.C3  Somewhat the same...2 →Skip to G4.C3	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
		<b>G4.C3</b>	<i>"[PERSON'S NAME] buys the kinds of livestock that her family or community expect. She wants them to approve of her as a good livestock raiser."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to G4.C4  Somewhat the same...2 →Skip to G4.C4	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2
		<b>G4.C4</b>	<i>"[PERSON'S NAME] chooses the types of livestock that she personally wants to raise and thinks are good for her family and business. She values raising these types. If she changed her mind, she could act differently."</i>	Are you like this person?	Yes.....1 → Question 2 No.....2 → Question 3	Are you completely the same or somewhat the same?	Completely the same.....1 -->Skip to Module G5  Somewhat the same...2 →Skip to Module G5	Are you completely different or somewhat different?	Completely different.....1  Somewhat different.....2

### MODULE G6: TIME ALLOCATION

**G6.01a:** PLEASE RECORD A LOG OF THE ACTIVITIES FOR THE INDIVIDUAL IN THE LAST COMPLETE 24 HOURS (STARTING YESTERDAY MORNING AT 4 AM, FINISHING 3:59 AM OF THE CURRENT DAY). THE TIME INTERVALS ARE MARKED IN 15 MIN INTERVALS AND ONE TO TWO ACTIVITIES CAN BE MARKED FOR EACH TIME PERIOD BY DRAWING A LINE THROUGH THAT ACTIVITY. IF TWO ACTIVITIES ARE MARKED, THEY SHOULD BE DISTINGUISHED WITH A 1 FOR THE PRIMARY ACTIVITY AND 2 FOR THE SECONDARY ACTIVITY WRITTEN NEXT TO THE LINES. PLEASE ADMINISTER USING THE PROTOCOL IN THE INTERVIEWER MANUAL.

"Now I'd like to ask you about how you spent your time during the past 24 hours. This will be a detailed accounting. We'll begin from yesterday morning at 4am, and continue through to 4am of this morning."

	Night				Morning				Day															
Activity	4		5		6		7		8		9		10		11		12		13		14		15	
A Sleeping and resting																								
B Eating and drinking																								
C Personal care																								
D School (also homework)																								
E Work as employed																								
F Own business work																								
G Farming/livestock/fishing																								
J Shopping/getting service (incl health services)																								
K Weaving, sewing, textile care																								
L Cooking																								
M Domestic work (incl fetching wood and water)																								
N Care for children/adults/elderly																								
P Travelling and commuting																								
Q Watching TV/listening to radio/reading																								
T Exercising																								
U Social activities and hobbies																								
W Religious activities																								
X Other, specify...																								



**MODULE G6 continued: SATISFACTION WITH TIME ALLOCATION**

QNO.	QUESTION	RESPONSE OPTIONS/INSTRUCTIONS
G6.02	<p>Next, I am going to ask you a question about how satisfied you are with the time you have to yourself to do things you enjoy. Please give your opinion on a scale of 1 to 10. 1 means you are not satisfied and 10 means you are very satisfied. If you are neither satisfied nor dissatisfied, this would be in the middle, or 5, on the scale.</p> <p>NOTE: LEISURE EXAMPLES SHOULD BE MODIFIED FOR LOCAL CONTEXT.</p> <p>How satisfied are you with your available time for leisure activities like visiting neighbors, watching TV, listening to the radio, seeing movies or doing sports?</p>	<p>SATISFACTION RATING: <input type="text"/> <input type="text"/></p>

## C. A-WEAI Instrument

2.0 PILOT VERSION

### MODULE G. WOMEN'S EMPOWERMENT IN AGRICULTURE INDEX – A-WEAI Version

**Note:** the information in module G1 can be captured in different ways; however there must be a way to a) identify the proper individual within the household to be asked the survey, b) link this individual from the module to the household roster, c) code the outcome of the interview, especially if the individual is not available, to distinguish this from missing data, d) record who else in the household was present during the interview. This instrument must be adapted for country context including translations into local languages when appropriate.

**Enumerator:** This questionnaire should be administered separately to the primary and secondary respondents identified in the household roster (Section B) of the household level questionnaire. You should complete this coversheet for each individual identified in the "selection section" even if the individual is not available to be interviewed for reporting purposes.

Please double check to ensure:

- You have completed the roster section of the household questionnaire to identify the correct primary and/or secondary respondent(s);
- You have noted the household ID and individual ID correctly for the person you are about to interview;
- You have gained informed consent for the individual in the household questionnaire;
- You have sought to interview the individual in private or where other members of the household cannot overhear or contribute answers.
- Do not attempt to make responses between the primary male decisionmaker and the primary female decisionmaker the same—it is ok for them to be different.

#### MODULE G1. INDIVIDUAL IDENTIFICATION

	Code		Code
G1.01. HOUSEHOLD IDENTIFICATION: .....	<input type="text"/>	G1.05. OUTCOME OF INTERVIEW:	COMPLETED .....1 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED .....2 RESPONDENT NOT AT HOME/TEMPORARILY UNAVAILABLE...3 RESPONDENT NOT AT HOME/EXTENDED ABSENCE .....4 REFUSED .....5 COULD NOT LOCATE.....6
G1.02. NAME OF RESPONDENT CURRENTLY BEING INTERVIEWED (ID CODE FROM ROSTER IN SECTION B HOUSEHOLD ROSTER):  SURNAME, OTHER NAME NAME: .....	<input type="text"/> <input type="text"/>	G1.06. ABILITY TO BE INTERVIEWED ALONE:	ALONE .....1 WITH ADULT FEMALES PRESENT .....2 WITH ADULT MALES PRESENT .....3 WITH ADULTS MIXED SEX PRESENT .....4 WITH CHILDREN PRESENT .....5 WITH ADULTS MIXED SEX AND CHILDREN PRESENT .....6
G1.03. SEX OF RESPONDENT:	MALE .....1 FEMALE .....2		
G1.04 TYPE OF HOUSEHOLD	MALE AND FEMALE ADULT.....1 FEMALE ADULT ONLY .....2		

**MODULE G2: ROLE IN HOUSEHOLD DECISION-MAKING AROUND PRODUCTION AND INCOME GENERATION**

HOUSEHOLD IDENTIFICATION (IN DATA FILE, EACH SUB-MODULE (G2-G6) MUST BE LINKED WITH HH AND RESPONDENT ID

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RESPONDENT ID CODE

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<p>"Now I'd like to ask you some questions about your participation in certain types of work activities and on making decisions on various aspects of household life"</p>	<p>Did you yourself participate in [ACTIVITY] in the past 12 months (that is, during the last [one/two] cropping seasons), from [PRESENT MONTH] last year to [PRESENT MONTH] this year?</p>	<p>When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?  CIRCLE ALL APPLICABLE  IF THE RESPONSE IS SELF ONLY SKIP TO QUESTION G2.05</p>	<p>How much input did you have in making decisions about [ACTIVITY]? USE DECISION CODES FOR G2.03/G2.05; IF NO DECISION MADE, ENTER 98 AND MOVE TO THE NEXT ACTIVITY</p>	<p>To what extent do you feel you can make your own personal decisions regarding [ACTIVITY] if you want(ed) to? CIRCLE ONE</p>	<p>How much input did you have in decisions on the use of income generated from [ACTIVITY]? USE CODES FOR G2.03/G2.05</p>
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ACTIVITY CODE	ACTIVITY DESCRIPTION	G2.01	G2.02	G2.03	G2.04	G2.05
A	Food crop farming: These are crops that are grown primarily for household food consumption	YES ..... 1 NO ..... 2 → ACTIVITY B	SELF .....1 SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER .....4 NOT APPLICABLE .....98 → NEXT ACTIVITY		NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT .. 4	
B	Cash crop farming: These are crops that are grown primarily for sale in the market	YES ..... 1 NO ..... 2 → ACTIVITY C	SELF .....1 SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER .....4 NOT APPLICABLE .....98 → NEXT ACTIVITY		NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT .. 4	
C	Livestock raising	YES ..... 1 NO ..... 2 → ACTIVITY D	SELF .....1 SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER .....4 NOT APPLICABLE .....98 → NEXT ACTIVITY		NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT .. 4	
D	Non-farm economic activities: This would include things like running a small business, self-employment, buy-and-sell	YES ..... 1 NO ..... 2 → ACTIVITY E	SELF .....1 SPOUSE .....2 OTHER HH MEMBER .....3 OTHER NON-HH MEMBER .....4 NOT APPLICABLE .....98 → NEXT ACTIVITY		NOT AT ALL ..... 1 SMALL EXTENT ..... 2 MEDIUM EXTENT ..... 3 TO A HIGH EXTENT .. 4	

G2.03/G2.05 DECISION CODES:  
 NO INPUT OR INPUT IN FEW DECISIONS .....01  
 INPUT INTO SOME DECISIONS .....02  
 INPUT INTO MOST OR ALL DECISIONS .....03  
 NO DECISION MADE .....98

**MODULE G3(A): ACCESS TO PRODUCTIVE CAPITAL**

"Now I'd like to ask you about your household's access to and ownership of a number of items that could be used to generate income."		Does anyone in your household currently have any [ITEM]?	Do you own any of the item?  <b>CIRCLE ALL APPLICABLE</b>
<b>PRODUCTIVE CAPITAL<sup>1</sup></b>		<b>G3.01</b>	<b>G3.02</b>
<b>A</b>	Agricultural land (pieces/plots)	YES.....1 NO.....2 → <i>ITEM B</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>B</b>	Large livestock (oxen, cattle)	YES.....1 NO.....2 → <i>ITEM C</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>C</b>	Small livestock (goats, pigs, sheep)	YES.....1 NO.....2 → <i>ITEM D</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>D</b>	Chickens, Ducks, Turkeys, Pigeons	YES.....1 NO.....2 → <i>ITEM E</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>E</b>	Fish pond or fishing equipment	YES.....1 NO.....2 → <i>ITEM F</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>F</b>	Farm equipment (non-mechanized: hand tools, animal-drawn plough)	YES.....1 NO.....2 → <i>ITEM G</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>G</b>	Farm equipment (mechanized: tractor-plough, power tiller, treadle pump)	YES.....1 NO.....2 → <i>ITEM H</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>H</b>	Nonfarm business equipment (solar panels used for recharging, sewing machine, brewing equipment, fryers)	YES.....1 NO.....2 → <i>ITEM I</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>I</b>	House or other structures	YES.....1 NO.....2 → <i>ITEM J</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3

<sup>1</sup> Examples given within productive capital categories are not extensive and should be adapted to local context by either adding to or replacing suggestions in parentheses.

"Now I'd like to ask you about your household's access to and ownership of a number of items that could be used to generate income."		Does anyone in your household currently have any [ITEM]?	Do you own any of the item?  <b>CIRCLE ALL APPLICABLE</b>
<b>PRODUCTIVE CAPITAL<sup>1</sup></b>		<b>G3.01</b>	<b>G3.02</b>
<b>J</b>	Large consumer durables (refrigerator, TV, sofa)	YES.....1 NO.....2 → <i>ITEM K</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>K</b>	Small consumer durables (radio, cookware)	YES.....1 NO.....2 → <i>ITEM L</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>L</b>	Cell phone	YES.....1 NO.....2 → <i>ITEM M</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>M</b>	Other land not used for agricultural purposes (pieces/plots, residential or commercial land)	YES.....1 NO.....2 → <i>ITEM N</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3
<b>N</b>	Means of transportation (bicycle, motorcycle, car)	YES.....1 NO.....2 → <i>MODULE G3(B)</i>	YES, SOLELY..... 1 YES, JOINTLY..... 2 NO..... 3

**MODULE G3(B): ACCESS TO CREDIT**

"Next I'd like to ask about your household's experience with borrowing money or other items in the past 12 months."		Would you or anyone in your household be able to take a loan or borrow cash/in-kind from [SOURCE] if you wanted to? *	Has anyone in your household taken any loans or borrowed cash/in-kind from [SOURCE] in the past 12 months? <b>CIRCLE ONE</b>	Who made the decision to borrow from [SOURCE] most of the time? <b>CIRCLE ALL APPLICABLE</b>	Who makes the decision about what to do with the money/ item borrowed from [SOURCE] most of the time? <b>CIRCLE ALL APPLICABLE</b>
LENDING SOURCE NAMES <sup>2</sup>		G3.03	G3.04	G3.05	G3.06
<b>A</b>	Non-governmental organization (NGO)	YES.....1 NO.....2 → NEXT SOURCE MAYBE.....3	YES, CASH.....1 YES, IN-KIND.....2 YES, CASH AND IN-KIND.....3 NO.....4 → NEXT SOURCE DON'T KNOW.....97	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98
<b>B</b>	Formal lender (bank/financial institution)	YES.....1 NO.....2 → NEXT SOURCE MAYBE.....3	YES, CASH.....1 YES, IN-KIND.....2 YES, CASH AND IN-KIND.....3 NO.....4 → NEXT SOURCE DON'T KNOW.....97	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98
<b>C</b>	Informal lender	YES.....1 NO.....2 → NEXT SOURCE MAYBE.....3	YES, CASH.....1 YES, IN-KIND.....2 YES, CASH AND IN-KIND.....3 NO.....4 → NEXT SOURCE DON'T KNOW.....97	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98
<b>D</b>	Friends or relatives	YES.....1 NO.....2 → NEXT SOURCE MAYBE.....3	YES, CASH.....1 YES, IN-KIND.....2 YES, CASH AND IN-KIND.....3 NO.....4 → NEXT SOURCE DON'T KNOW.....97	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98
<b>E</b>	Group based micro-finance or lending including VSLAs / SACCOs	YES.....1 NO.....2 → NEXT SOURCE MAYBE.....3	YES, CASH.....1 YES, IN-KIND.....2 YES, CASH AND IN-KIND.....3 NO.....4 → NEXT SOURCE DON'T KNOW.....97	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98
<b>F</b>	Informal credit/savings groups such as merry-go-rounds, tontines, funeral societies, etc.	YES.....1 NO.....2 → NEXT SOURCE MAYBE.....3	YES, CASH.....1 YES, IN-KIND.....2 YES, CASH AND IN-KIND.....3 NO.....4 → MODULE G4 DON'T KNOW.....97	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98	SELF.....1 SPOUSE.....2 OTHER HH MEMBER.....3 OTHER NON-HH MEMBER.....4 NOT APPLICABLE.....98

\* This question is not included in the calculation of the index, but should be collected to be able to identify whether there is a credit constraint, for programming purposes

<sup>2</sup> To adapt to country context, locally relevant examples may be given within lending sources categories.

## MODULE G4: TIME ALLOCATION

**G4.01:** PLEASE RECORD A LOG OF THE ACTIVITIES FOR THE INDIVIDUAL IN THE LAST COMPLETE 24 HOURS (STARTING YESTERDAY MORNING AT 4 AM, FINISHING 3:59 AM OF THE CURRENT DAY). THE TIME INTERVALS ARE MARKED IN 15 MIN INTERVALS AND ONE ACTIVITY CAN BE MARKED FOR EACH TIME PERIOD BY DRAWING A LINE THROUGH THAT ACTIVITY.

"Now I'd like to ask you about how you spent your time during the past 24 hours. We'll begin from yesterday morning, and continue through to this morning. This will be a detailed accounting. I'm interested in everything you do (i.e. resting, eating, personal care, work inside and outside the home, caring for children, cooking, shopping, socializing, etc.), even if it doesn't take you much time."

	Night			Morning			Day															
Activity	4		5	6		7	8		9		10		11		12		13		14		15	
A Sleeping and resting																						
B Eating and drinking																						
C Personal care																						
D School (also homework)																						
E Work as employed																						
F Own business work																						
G Farming/livestock/fishing																						
J Shopping/getting service (incl health services)																						
K Weaving, sewing, textile care																						
L Cooking																						
M Domestic work (incl fetching wood and water)																						
N Care for children/adults/elderly																						
P Travelling and commuting																						
Q Watching TV/listening to radio/reading																						
T Exercising																						
U Social activities and hobbies																						
W Religious activities																						
X Other, specify ...																						



**MODULE G5: GROUP MEMBERSHIP**

"Now I'm going to ask you about groups in the community. These can be either formal or informal and customary groups."		Is there a [GROUP] in your community?	Are you an active member of this [GROUP]?
	GROUP CATEGORIES	G5.01	G5.02
<b>A</b>	Agricultural / livestock/ fisheries producer's group (including marketing groups)	YES.....1 NO.....2 → GROUP B DONT KNOW.....97	YES.....1 NO.....2
<b>B</b>	Water users' group	YES.....1 NO.....2 → GROUP C DONT KNOW.....97	YES.....1 NO.....2
<b>C</b>	Forest users' group	YES.....1 NO.....2 → GROUP D DONT KNOW.....97	YES.....1 NO.....2
<b>D</b>	Credit or microfinance group (including SACCOs/merry-go-rounds/ VSLAs)	YES.....1 NO.....2 → GROUP E DONT KNOW.....97	YES.....1 NO.....2
<b>E</b>	Mutual help or insurance group (including burial societies)	YES.....1 NO.....2 → GROUP F DONT KNOW.....97	YES.....1 NO.....2
<b>F</b>	Trade and business association group	YES.....1 NO.....2 → GROUP G DONT KNOW.....97	YES.....1 NO.....2
<b>G</b>	Civic groups (improving community) or charitable group (helping others)	YES.....1 NO.....2 → GROUP H DONT KNOW.....97	YES.....1 NO.....2
<b>H</b>	Religious group	YES.....1 NO.....2 → GROUP J DONT KNOW.....97	YES.....1 NO.....2
<b>I</b>	Other [women's/men's] group (only if it does not fit into one of the other categories)	YES.....1 NO.....2 → GROUP K DONT KNOW.....97	YES.....1 NO.....2
<b>J</b>	Other (SPECIFY) _____	YES.....1 NO.....2 DONT KNOW.....97	YES.....1 NO.....2

**END OF QUESTIONNAIRE. FILL OUT COVER PAGE OUTCOME G1.05.**

## V. WEAI RESOURCES

### WEAI References

1. Feed the Future's Women's Empowerment in Agriculture Index (<http://feedthefuture.gov/lp/womens-empowerment-agriculture-index>)
  - Case studies
2. International Food Policy Resource Center Women's Empowerment in Agriculture Index Resource Center (<http://www.ifpri.org/topic/weai-resource-center>)
  - Training Materials (<https://www.ifpri.org/weai-training-materials>)
  - Instructional Guide and Abbreviated WEAI Instructional Guide
  - Webinars
3. Gender Page on Agrilinks (<http://agrilinks.org/activity-cross-cutting/gender-integration>): Technical resources related to gender integration in Feed the Future and related projects, in addition to the WEAI
4. Online events (archived)
  - Increasing Feed the Future Impacts through Targeted Gender Integration (<http://agrilinks.org/events/increasing-feed-future-impacts-through-targeted-gender-integration>)
  - Empowering Women in Agriculture: Strengthening Production and Dietary Diversity to Improve Nutrition (<https://www.spring-nutrition.org/events/empowering-women-agriculture-strengthening-production-and-dietary-diversity-improve-nutrition>)
  - Empowering Women in Agriculture: Maximizing Nutrition Gain (<https://www.spring-nutrition.org/events/womens-empowerment-and-mens-engagement-how-focus-gender-can-support>)
  - The Women's Empowerment in Agriculture Index Twitter chat (<http://agrilinks.org/agrilink-event/women%E2%80%99s-empowerment-agriculture-index>)
  - Webinar on Feed the Future's Women's Empowerment in Agriculture Index (WEAI) (<http://agrilinks.org/events/webinar-ftfs-womens-empowerment-agriculture-index-weai>)
  - WEAI Intervention Guide (<http://acdivoca.org/sites/default/files/attach/technical-publications/LEO-WEAI-Intervention-Guide.pdf>)

## Summary of Causal Pathways Paper: Causal Mapping of the Gender Integration Framework

Women's empowerment is essential to achieving Feed the Future's topline objectives of improving nutrition and reducing poverty through inclusive agricultural growth. Women are empowered when they define their own goals and have the necessary resources and power to act toward achieving them. The Feed the Future Gender Integration Framework is a USAID programmatic tool developed to understand the most critical constraints to women's empowerment in the agricultural sector in a particular country or context and how programs can best address the constraints. The Framework has seven dimensions; the Women's Empowerment in Agriculture Index (WEAI) measures the first five:

1. **Production:** awareness of different possibilities for and decision-making power over agricultural production
2. **Resources:** access to and decision-making power over productive resources, including land, credit and equipment
3. **Income:** control over the use of income and expenditures
4. **Leadership:** social participation, including leadership in the community and ability to voice opinions in public
5. **Time:** ability to choose a workload that allows adequate and satisfactory time for non-work activities
6. **Human capital:** having adequate skill and knowledge to productively use resources, new technologies and information to improve the household's economic situation
7. **Technology:** access to beneficial technologies

The full paper reviews the empirical literature on linkages between dimensions of women's empowerment and greater household agricultural productivity, focusing on production, resources, human capital, and technology, which are the dimensions that evidence shows most directly contribute to increased agricultural productivity. Figure 3 (next page) maps the broad relationships between the seven dimensions and agricultural productivity.

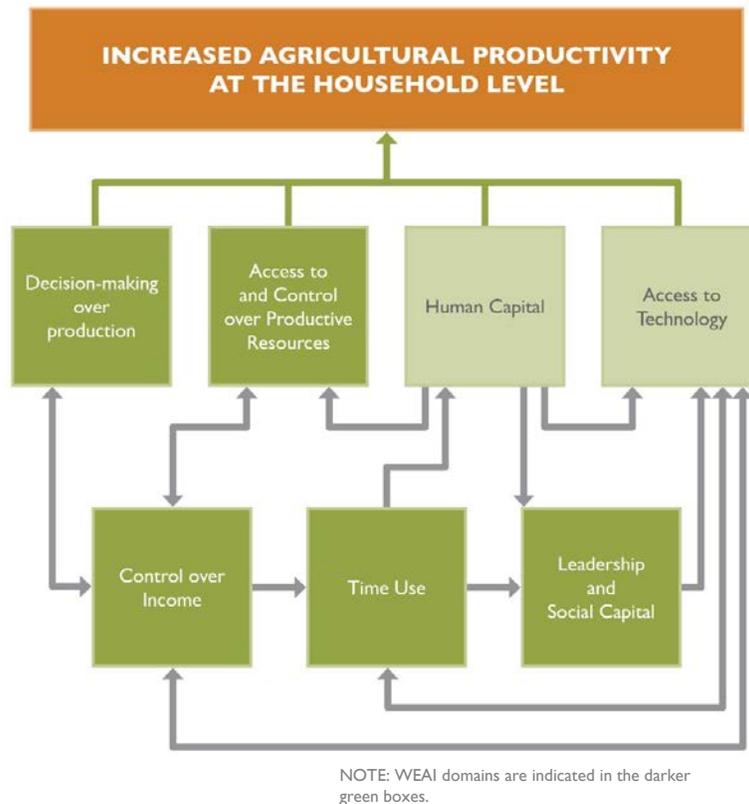
### Production

There is little empirical literature that directly links women's decision-making power in agriculture with household agricultural productivity. This is because the majority of studies either do not take into account that production decisions are often made by multiple household members or do not account for the sex of the person(s) making the decisions. However, the literature has consistently found that productive resources generally are not efficiently allocated between women and men, and that re-allocating inputs from male-managed plots to female-managed plots or increasing women's decision-making power over agricultural assets would likely result in overall increased agricultural productivity for the household.

### Resources

Many studies in agricultural economics that address gender and agricultural productivity find that, on average, men farmers are more productive than women farmers. However, much of this gender gap is explained by differences between women and men in access to resources such as land, social and human capital, inputs and services. Most studies found that, controlling for differences in access to resources, women farmers were as productive as or more productive than men farmers. Estimates suggest that if women had similar access to land and other resources as men, they could achieve similar levels of agricultural productivity as men, which would increase household agricultural productivity.

**Figure 3. Linkages between Domains of Women’s Empowerment and Agricultural Productivity**



### Technology

Women farmers’ lower use of technologies (e.g., fertilizers, herbicides, pesticides and improved crop varieties) is responsible for much of the gender gap in agricultural productivity. Access to technology is also positively correlated with access to resources, such as land (Doss and Morris, 2000).

### Human Capital

Although empirical associations between farmers’ education and productivity are mixed, farmers with more education appear to use technology more efficiently (Rahman 2010; Oladeebo and Fajuyigbe 2007). Beyond formal education, Doss and Morris (2000) found that differences in access to extension services resulted in gender differences in the adoption of beneficial technologies on maize plots in Ghana. Because information about farming practices and new technologies may not be fully shared within the household, it is important to ensure women’s equal access to agricultural extension services.

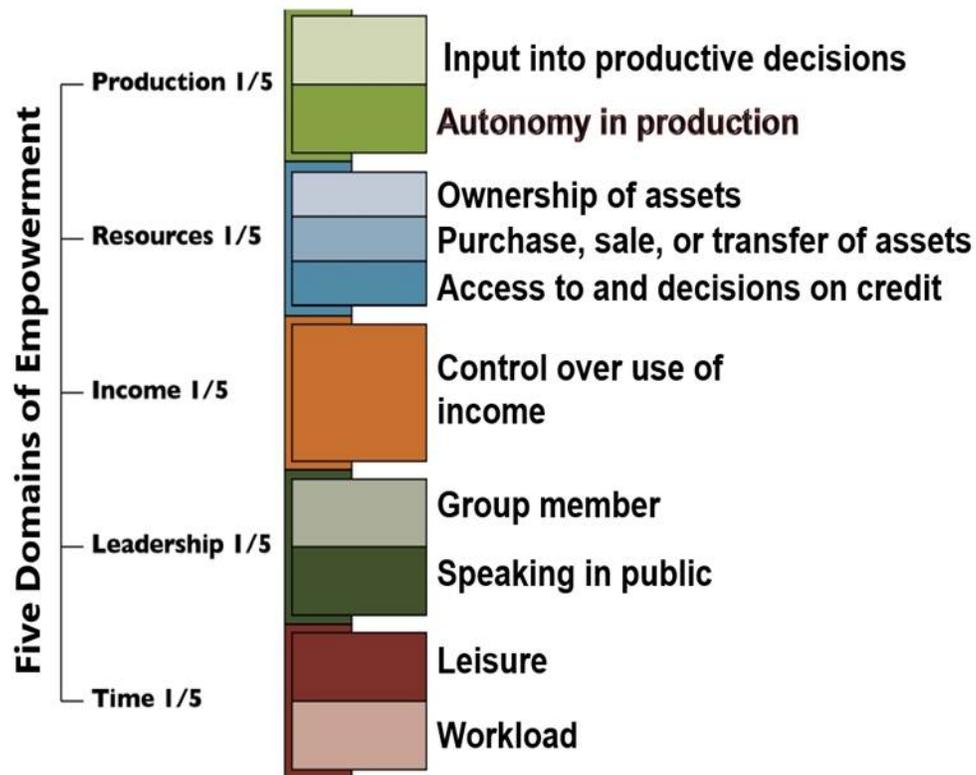
### Conclusion

The literature suggests that empowering women by increasing their control over decisions in agriculture (production dimension) and increasing their access over the resources needed for agricultural production (resources, human capital and technology dimensions) has the potential to greatly increase household agricultural productivity. Although the literature does not directly empirically link the income, leadership and time dimensions to increased agricultural productivity, they support the other dimensions, especially human capital, to contribute to agricultural productivity.

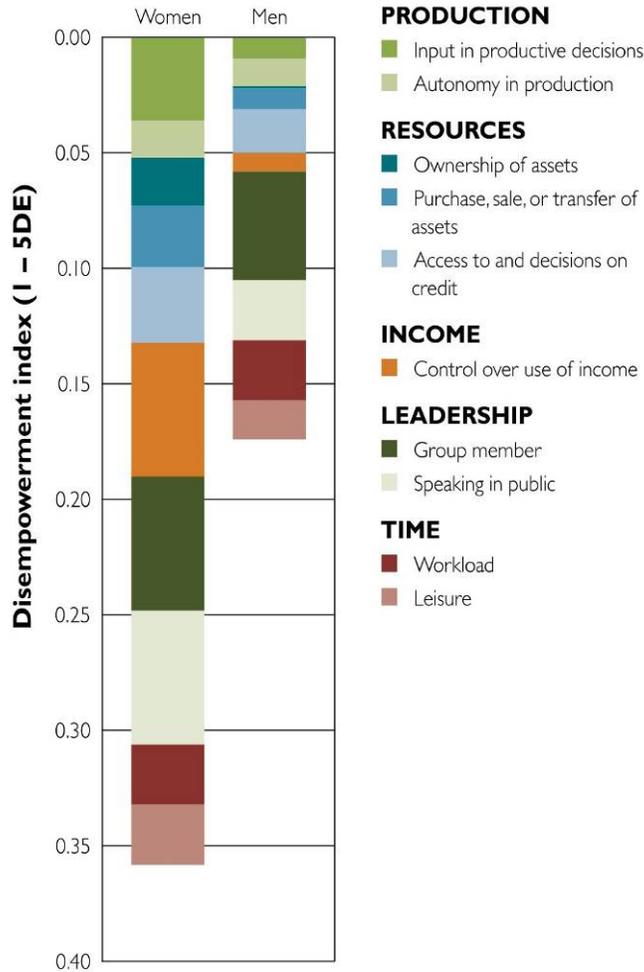
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## 5DE Graphics

Figure 4. Indicators Build Individual Empowerment Profiles



**Figure 5. Five Domains of Empowerment**



Source: IFPRI (2012a).

An individual who has achieved “adequacy” in 80 percent or more of the weighted indicators is empowered.



**NOTES PAGES**





