CAPTURING KEY INFORMATION FOR PROJECT

SPHI

Sweetpotato Profit and Health Initiative

Julius Okello, Temesgen Bocher & Luka Wanjohi SPHI Annual Meeting, Dar es Salaam, Tanzania 24-26 November, 2017

The SPHI Goals



- 10M households by 2020
- Increase income by 15%
- Improve diet quality by 20%













Agriculture



- 1. Variety releases
 - # varieties released
 - Date/Yr of release

- 2. Beneficiaries of improved vines
- # of households receiving OFSP vines
- Eligibility: U5 yrs; Pregnant/lactating woman
 >>Disaggregated by gender

Agriculture contd...



3.1 Mean household (HH) production-SP, OFSP

- Volume (Kg) & Value (\$)
- ⁻ % of HH selling

3.2 Mean HH SP & OFSP sales
– Volume (Kg) & Value (US \$)
– % of HH selling



Nutrition



• Improvement in diet quality

- ✓ Dietary diversity
 - Household >> HDD
 - Young child (Individual) >> CDD



– Minimum dietary diversity– Woman >> MDD-W





Tools and Techniques for Monitoring Key Indicators of <u>Sweetpotato</u> Interventions in Sub-Saharan Africa: A Practitioner's Manual

Prepared by the CIP Monitoring, Learning, and Evaluation Team Temesgen Bocher, Luka Wanjohi, Jan Low, Julius Okello, Srinivasulu Rajendran, Kirimi Sindi, and Christine Bukania

What the manual contains...



Module 1: Design and Description of the Selection Criteria >>>> Meta data, sampling,

Module 2: Household background information >>> HH characteristics

Module 3: Sweetpotato area, production, and market trends >>> Indicator 2 & 3

Module 4. Production and sales volumes >>>> Indicator 2 & 3

Module 5: Measurement of household food security

Module 6: Dietary Diversity Score >>> Indicator 4

Module 7: Frequency of Consumption of Vitamin A Rich Foods >>> Indicator 4

Module 8: Capturing Sweetpotato Vine Dissemination >>> Indicator 1

Module 9: Yield Estimation Using Crop Cuts >>> Indicator 2&3

Module 10: Sweetpotato Root Market Prices >>> Trends

Each module explains....



Table 1: Table of reported and created variables for module 2										
Variable	Variable label	Value labels	Sample size	Frequency	Mean	Std Dev	Median			
Household head										
M02_10	CATEGORY OF THE HOUSEHOLD	1=INTERVENTION OR PARTICIPANT								
M02_10		2=CONTROL OR NONPARTICIPANT								
M02_14a-b	AGE OF THE HOUSEHOLD HEAD (YRS)	CONTINUOUS								
M02_15	STATUS OF THE HEAD OF HOUSEHOLD	1=MAN								
M02_15	2=HC WON									
M02_15		3=HOUSEHOLD HEAD IS A WOMAN,WITHOUT SUPPORT OF A MAN								
M02_14b	LEVEL OF FORMAL EDUCATION OF THE HOUSEHOLD HEAD IN YRS	CONTINUOUS								
M02_140	HOUSEHOLD HEAD HAS NO EDUCATION	1=YES, 0=NO								
M02_14c	HOUSEHOLD HEAD COMPLETED PRIMARY SCHOOLING (SPECIFY YRS)	1=YES, 0=NO								
Reference woman										
M02_17a	AGE OF REFERENCE WOMAN IN YEARS	CONTINUOUS								
M02_17a	REFERENCE WOMAN IS UNDER 25 YEARS OF AGE	1=YES, 0=NO								
M02_18										
	LEVEL OF FORMAL EDUCATION OF THE REFERENCE	1=YES, 0=NO CONTINUOUS 1=YES, 0=NO								

Module available in various forms *SA



MO6. M0601	DIETARY DIVERSITY FOR WOMEN AND YOUNG CH Name of Reference Woman:	ODK Collect > Main Menu	
	The Reference woman (age 15-49 years) should be interviewed. Now	ODK Collect 1.4.7 (1053) Data collection made easier	ght, and also by your child [NAME]
	Yesterday, did your household consume at least a tablespoon (15 gm For example, if you had a soup made with carrots, potatoes and do not say "yes" for the meat or vegetable. As I ask you about	Fill Blank Form	ition even if they were mixed with other foods. Imed only the broth of a soup, but not the meat or vegetable
	First ask the question for woman's consumption for a category of food.	Edit Saved Form (1)	HH Woman Reference Child
-	Any foods made from grains (like maize, rice, wheat, sorghum, millet, noodles, b Any biofortified crops (orange-fleshed sweetpotato, orange maize, iron rich beans)	Send Finalized Form	0-No 1-Yes 0-No 1-Yes
M06_03	Any vegetables or roots that are orange-colored inside (OFSP, pumpkin) Any white roots and tubers or plantains (white potatoes, manioc, white-fleshed sw	Get Blank Form	er seeds)
M06_06	Any dark green leafy vegetables (sweetpotato leaves, cassava leaves, pumpkin Any fruits that are dark yellow or orange inside (ripe mango, ripe papaya, passior Any other vegetables (like eggplant, okra, tomatoes)	Delete Saved Form	eam)
M06_08	Any other fruits Any meat made from animal organs (like liver,heart, kidney, blood-based foods)		s)
M06_10	Any other types of meat or poultry (like beef, pork, goat, chicken, duck, wild birds		

Test, revise and re-test





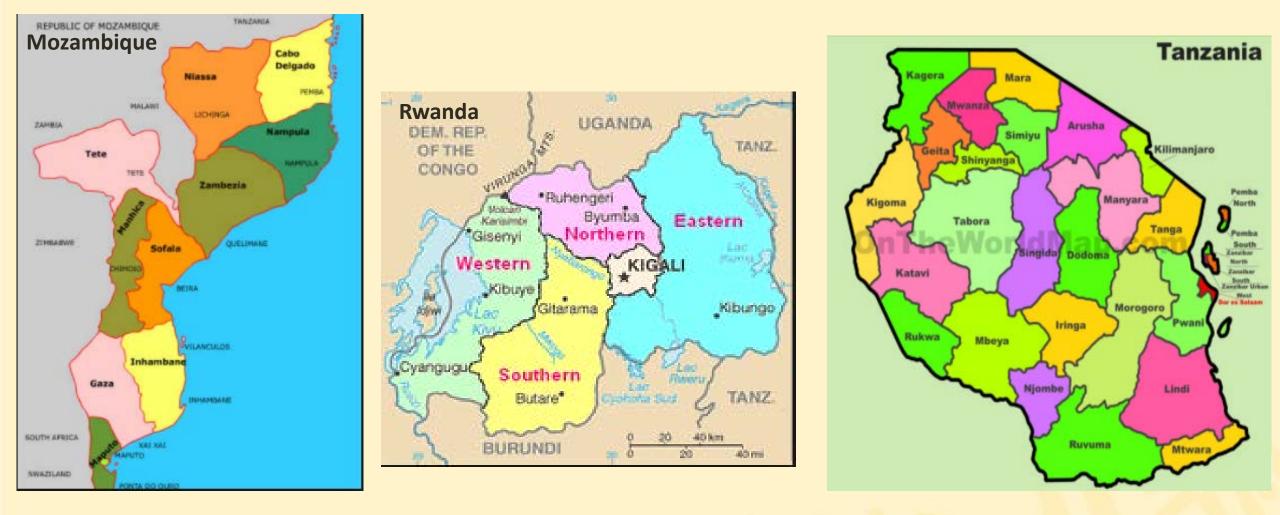
Rwanda: Testing...





Applications of the MLE Manuals







FEED FUTURE THUS. Government's Global Hunger & Food Security Initiative





Sweetpotato Action for Security and Health in Africa

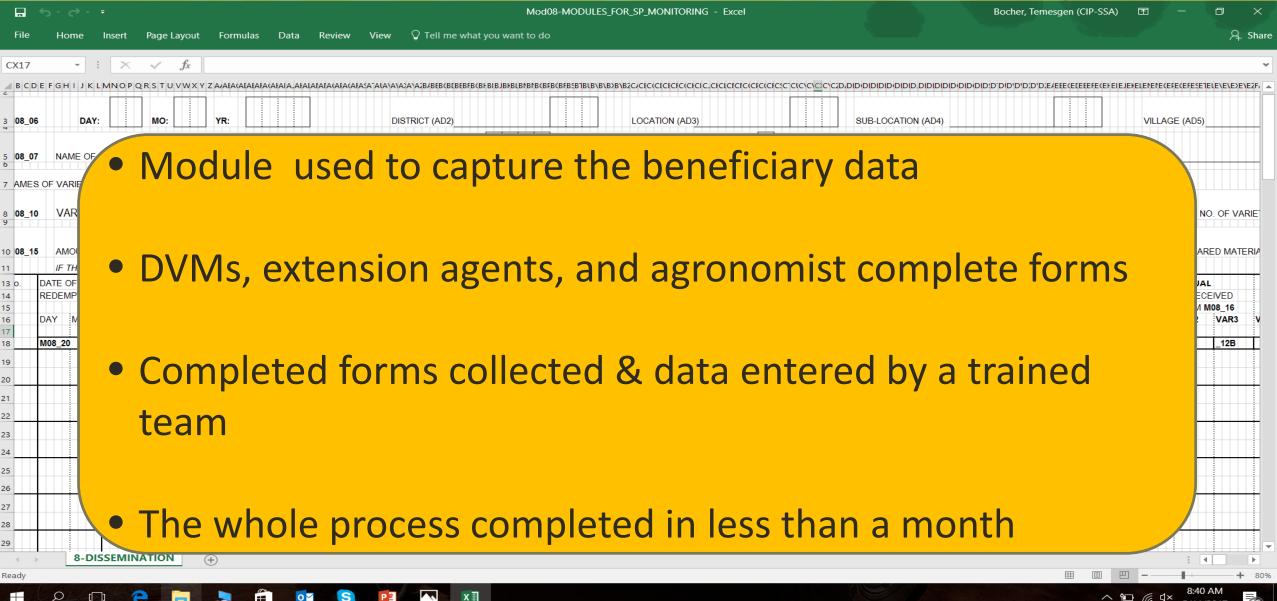
Beneficiaries of improved vines during a dissemination event



23

Vine dissemination form



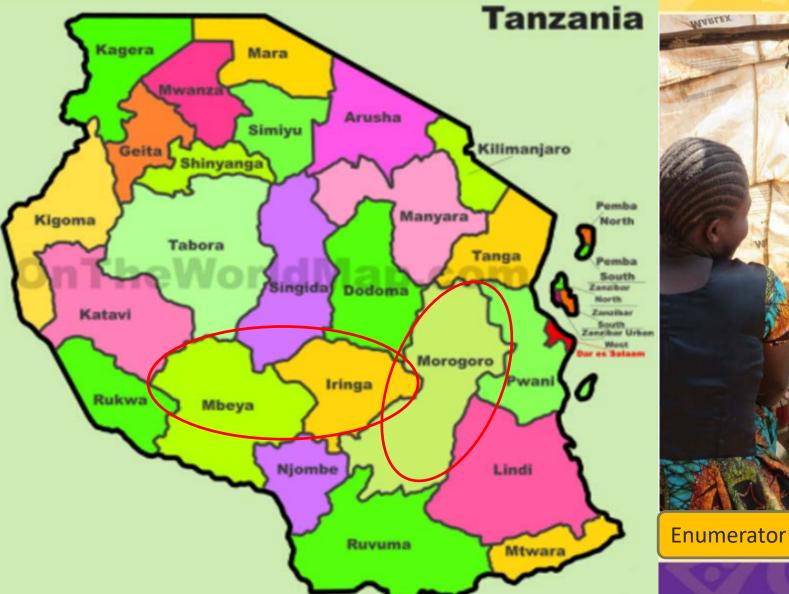


FEEDIFUTURE To U.S. Government's Global Hunger & Food Security Initiative Data entry tools used to record data: CsPro >>>STATA>>>> Results Sweetpotato Action for Security and Health In Africa

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	\ \	VARIETY	#1		VARIETY #2	VARIETY #3	VARIETY #4	NO. VARIETIES DISTRIB	UTED PER HH					
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Application in Household Surveys: Tanzania SASHA

Sweetpotato Action for Security and Health in Africa





Enumerator using tablet version of tool to collect survey data

Application in surveys – VISTA Tz SASHA

Module Adapted

• Module 2: Household background information - 95%

- Module 3: Trends in using sweetpotato 97%
- "Remaining 5% ... could easily be computed or inferred"
- "3% covered ... by the tool elsewhere"

Module: Adopted 100%

"Easily administered and understood"

"Straight forward and easily administered in the field"

Module 7: Frequency of Consumption of /itamin A Foods

Application in yield Estimation





SASHA

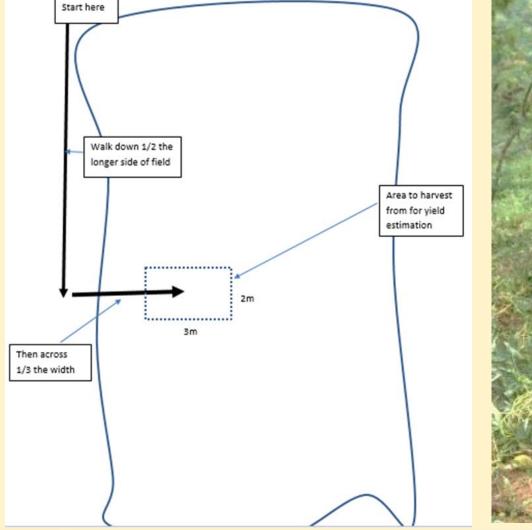
Sweetpotato Action for Security and Health in Africa

Easy Sampling, data collection....SASHA

Sweetpotato Action fo Security and Health in Africa

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MODULE 09. YIE	LD ESTIMATION BY CROP CU	UT COUNTRY:	АМ				AD2					AD3	
HID HOUSEHOLD (07 ENUMERATOR											N09 0
	109_09 Longitude (S) Decimal in	M09_10 Latitude (E)	Decimal in	M09_11 Elevation									
C	egrees Minutes Minutes	Degrees Minutes	Minutes	(Metres)									
													M09_08
	te that the first monitoring v	visit should be 45	days after	planting.									
	SWEETPOTATO VARIETY DETAILS				PLOT	Sex		OF VINE:			PLANTIN	T	
DAY MON YEAR				VARIETY ID	1. HIGH	_		OTHERS	SOURCE			TIMES	
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					3. LOW	0-F						vines	e is Ow
						1-M							
M09_12	M09_13			M09_13A	M09_14	_14E	M09_15A	M09_1	5B			M09_10	6
SECOND VISIT:	The date of the second visit	may need to vary	by variety	because harv	estina s	shou	ld be a	lianed	with th	ne ma	turitv	period	d of ea

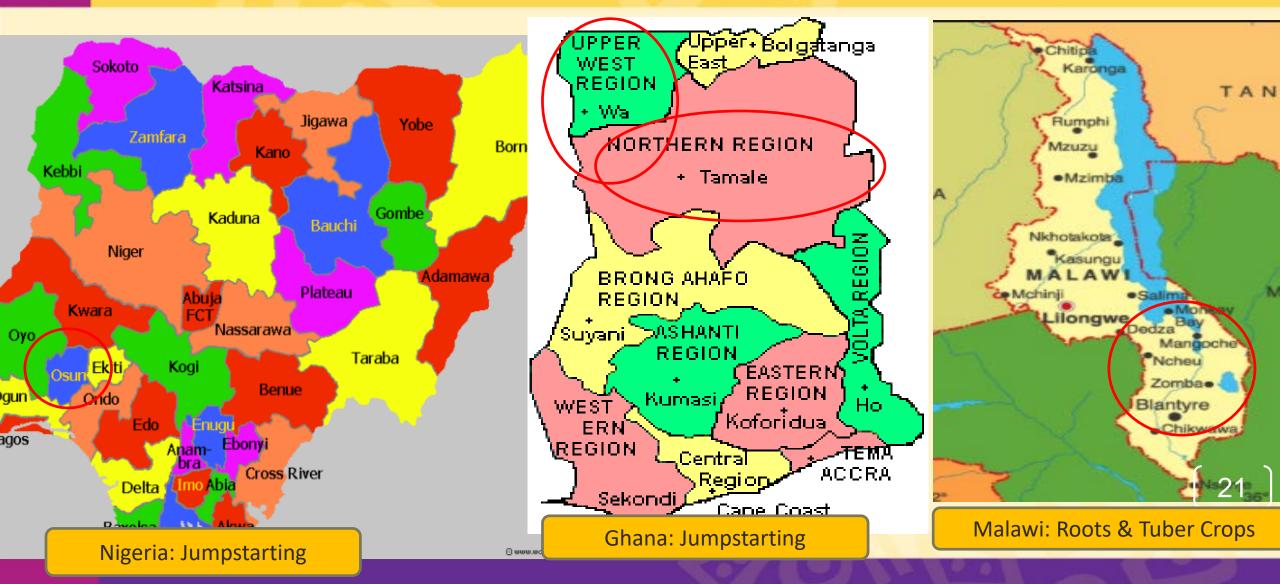
SUSTAIN Application in Rwanda contd SASHA





Other Applications of the Manual









The manual is quite simple to use

✓ Saves a lot of time - ready to go questions, all-in-one manual

✓ Collects all the needed SPHI indicator data

 Can be easily adapted (by including additional Qs) to use in varied situations – monitoring, surveys, crop perfomance

Acknowledgements



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Thank You !!!