

concepts and tools for FFS

Hilton Mbozi – Oxfam Novib

Global FFS Platform

Webinar series on Climate Change and Farmer Field School

Session 2: Equipping farmers for climate action: key concepts and tools for FFS Date |20th February 2025| Time: 3:00pm – 4:30pm



Training modules for field work to increase farmers' resilience

Illustrated Field Guides: FFS on Participatory Plant Breeding (for local adaptation)

- Diagnostics Guide
- Participatory Variety Selection Guide
- Participatory Variety Enhancement Guide
- Participatory Variety Development Guide



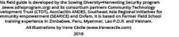




FACILITATORS' FIELD GUIDI

ON PARTICIPATORY PLANT RRFFDI

FOR FARMER FIELD SCHOOLS

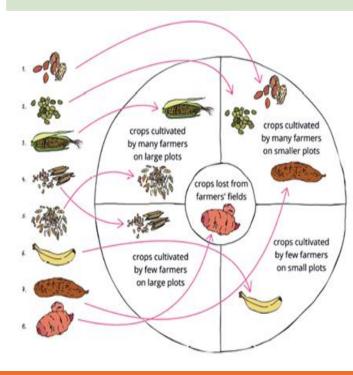




Tools for diagnostics:

programs

- Diversity Wheels: # of farmers & land size
- Timeline analysis



TIMELINE ANALYSIS – understanding changes that affected the farming system, in particular crop diversity, research and development												
Context/Trends/Issues	Current Situation	Past Situation	Impact on production systems	Impact on crop diversity								
Market access	Breweries buy white sorghum	Brewery was importing barley	Contract farming projects. Sorghum becomes more important	Increase in types of varieties and loss of non-white varieties								
Infrastructure	Irrigated	Rain fed	Several cropping seasons per year	Short duration varieties replaced								
Changes in farming methods												
Soil fertility												
Govt policies &												



Agroecological Systems Analysis (AESA)

Tool for data collection:

AESA is a powerful tool to:

- allow farmers to better understand the local agro-ecosystem
- help farmers make informed decisions
- evaluate crop varieties (characterization and performance)



Global FFS Platform Webinar series on Climate change and Farmer Field School



TABLE 2: AGRO-ECOSYSTEM ANALYSIS (AESA) SHEET AT VEGETATIVE STAGE [PRINT ON A3 PAPER]																		
OBSERVATIONS AT PLOT LEVEL	AESA FORM No. (e.	g. 1, 2,)				1			Week 1 Week 1 Date: Date			Week 3				CHOSEN BREEDING OBJECTIVES		
	FFS LOCATION					WEATHER CONDITION IN THE PAST WEEK				Date: Date:			Date.	te: Date			1.	
	SUBGROUP Name or No.			((1: Mostly Sunny, 2: Mostly Cloudy, 3: Regular Rain, 4: Occasional Rain, 5: Windy, 6: Other)									_				
	CROP			s	SOIL CONDITION (Dry, Moist, Other)										2.			
	NAME OF VARIETY OR BREEDING LINE			9	% OF PLANTS EMERGED													
	DATE OF PLANTING			s	STAND ESTABLISHMENT (Uniform, Uneven, Poor)										3.			
	No. OF SEEDS SOWN			C	CROP CONDITION (Good, Fair, Poor)]			
	PLANTING DISTANCE (cm x cm)		c	COMMENTS on crop condition (If not good)										4.				
	PLOT HISTORY (Previous crop & Management)			WEED TYPE and INTENSITY (Annual or Perennial)														
	SOIL TYPE (Clay, Sandy, Loam, Clay-loam, Sandy-loam, Silt, Other)				0	(Grasses, Sedges, or Broadleaves) (1: Low intensity, 2: Medium, 3: High)												5.
	SOYA BEANS Leaf Colour Plant Height(cm)			No. of viabl branches		able						Breeding objective (relevant at vegetative stage)						
			(Before Flowering	ore Early Plant Vigour Pest and/or Disease Name & Intens			Beneficiary insects Name & Intensity (1: Low, 2: Medium, 3: High)		Breeding objective (relevant at vegetative stage)									
	BEANS			neight(chi)		<u>.</u>		(1.200), 2.100	-unum, o. mg	5.17	(1. 2000, 2. 1.	rearann, o. r						
EVE		Week 1																
	Sample Plant Nr. 1 (randomly chosen each week)	Week 2																
		Week 3																
		Week 4																
	Sample Plant Nr. 2	Week 1																
		Week 2																
		Week 3																
		Week 4																
IN	Sample Plant Nr. 3	Week 1																
12		Week 2																
NSA'		Week 3																
NIO NIO		Week 4											_					
OBSERVATIONS AT PLANT LEVEL	Sample Plant Nr. 4	Week 1																
		Week 2																
		Week 3																
		Week 4 Week 1																
	Sample Plant Nr. 5	Week 1												_				
		Week 2											_					
		Week 4											_					
	AVERAGE in Week 4			cm														
																		L
	Unusual or extreme events (Indicate date)	e weather					managem & disease	ons on crop ent, including pest management, ng, irrigation, etc. late)										



Training modules on Local Food Plants

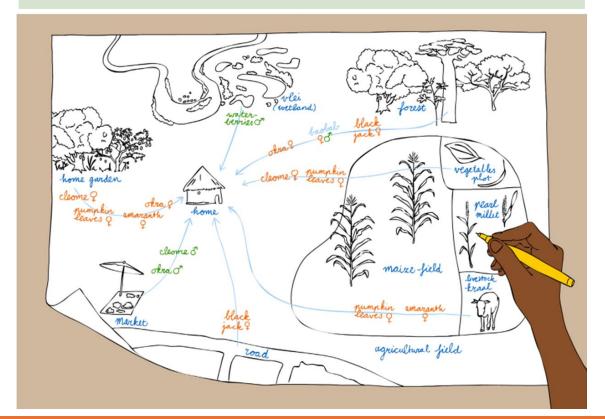
- **>** identify bottlenecks that prevent
- local food plant consumption
- and set FFS objectives to tackle these

Illustrated Field Guides: Local Food Plants and Nutrition

- 1. Diagnostic phase
- 2. Managing local food plants
- **3. Improving Nutrition**
- 4. Special topics
- 5. FFS end-of-cycle evaluation
- All available in English and Spanish

Tools for diagnostics:

- malnutrition problem tree
- resource flow map and other tools





HMbozi@oxfam.org.uk

Field Guides are available on our website: https://sdhsprogram.org/