



FEED THE FUTURE

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

Women beneficiaries empowerment

Learning from ADVANCE FY15 gender and yield survey data



USAID
FROM THE AMERICAN PEOPLE



Expanding Opportunities Worldwide



Background

- Gender strategy:
 - Increase participation
 - Build specific capacities
 - Advocacy for more land and resources
 - Promotion of women-friendly technologies and access to inputs
- ADVANCE works in 4 of the 5 WEAI domains: production, income, resources and leadership
- Purpose: measure women empowerment situation
- From gender data collected during FY15 gross margin survey
- Results presented from sample, not extrapolated/weight adjusted

Respondents location

Region	# surveyed	% surveyed
Northern	408	30%
Upper East	400	30%
Upper West	204	15%
South	342	25%
Total	1354	100%

Production

To what extent can you say you personally take decisions on the following activities

#	VARIABLE	EXPECTED RESPONSES	ANSWER/CODE ownership
2.1	agricultural production	1 = not at all, 2 = small extent, 3 = medium extent, 4 = to a high extent	
2.2	which inputs to buy		
2.3	which types of crops to grow for agricultural production		
2.5	when to take or who should take crops to market,		

Production (2)

Proportion of women personally taking decision on their ag production to some or high extent

Decisions on	% of women
Which inputs to buy	72%
Agricultural production	75%
When to take or who should take crops to market	77%
Type of crops to grow	78%

Production (3)

- Empowered: women who provided inputs into at least three decisions to a medium or high extent

Zone	Production empowered
NORTHERN	36.05%
UPPER WEST	74.11%
SOUTH	89.43%
UPPER EAST	95.15%
Grand Total	74.53%

Production (4)

Who makes the following decisions related to crop production in the household?

Decision	% both man and woman or woman
Allocation of size of land for each produce	63.60%
Purchase of inputs	65.90%
Purchase of farming equipment	67.50%
Choice of technology	70.10%
Decision on storage	82.60%
Use of farming equipment	83.00%
Commodities to produce	83.30%
Borrowing of loan	84.50%
Use of borrowed funds	86.70%
How to spend money from the farm produce	86.90%
Attend Good Agricultural Practices training	87.40%
Selling farm produce	87.80%

Resources

Asset	Who owns		Who uses	
	Woman or both	Men only	Woman or both	Men only
Power Tiller	5%	95%	37%	63%
Rotary weeder	6%	94%	40%	60%
Motorcycle	9%	91%	50%	50%
Donkey cart	16%	84%	88%	12%
Tractor	17%	83%	73%	27%
Traction Animals	18%	82%	78%	22%
Ripper	20%	80%	63%	38%
Bicycle	23%	77%	71%	29%
Land	25%	75%	96%	4%
Knapsack Sprayer "Solo"	27%	73%	84%	16%
Thresher	31%	69%	75%	25%
Ox Cart	38%	63%	70%	30%
Warehouse to store	45%	55%	98%	2%
Tarpaulin	54%	46%	94%	6%
Hoes	64%	36%	96%	4%

The denominators of the percentages in the ownership and usage columns are the numbers of households that own or use the asset, not the total households. E.g. the 71% under woman or both/usage column for bicycle means that among the households that use bicycles, in 71% of cases, women or both women and men use, and in 29% of cases, only the men use the bicycles.

Resources (2)

Average number of assets used by women

Region	Average # of assets
Upper East	3.2
Upper West	3.24
Northern	3.49
South	3.8
Total	3.45

Resources (3)

Proportion of women having access to finance

Source	% of women
Rural Banks	29%
Susu	30%
Input credit	32%
Micro credit	32%
Mobile money	32%
Village saving and loans groups	32%
NGO	34%
Project grants	34%

Resources (4)

- Empowered: having 3 or more assets AND access to finance

Zone	Resources empowered
SOUTH	37.54%
UPPER WEST	56.91%
NORTHERN	82.80%
UPPER EAST	83.89%
Grand Total	63.83%

Income

Proportion of women reporting providing inputs to some or all decisions regarding the use of income jointly acquired

Use of income for	% of women
Acquisition of property	62%
Investment	62%
Livestock	62%
Number of children to have	64%
Agriculture	74%
Children's career development	74%
Education of children	74%
Health matters	78%
Woman's personal development	84%

Income (2)

- Empowered: women who provided inputs into at least three decisions

Zone	% of women
NORTHERN	54.82%
UPPER WEST	82.66%
UPPER EAST	94.48%
SOUTH	98.33%
Grand Total	82.45%

Leadership

Proportion of women that were members and leaders of groups

Region	% members	% leaders
South	39%	9%
Upper West	75%	25%
Northern	77%	25%
Upper East	79%	19%
Total	68%	19%

Decision on inputs purchase and crop genetics

% of women who used non saved seeds by decision maker on inputs purchase

Used non-saved seeds	Man only	Woman or both	Grand Total
No	51.47%	38.11%	42.41%
Yes	48.76%	+27%	62.10%
Grand Total	100.00%	100.00%	100.00%

P-value<0.000001

% of women who used non saved seeds by women's inputs in tech choice decision

Used non-saved seeds	No to small extent	Some to large extent	Grand Total
No	52.63%	39.64%	43.23%
Yes	47.89%	+26%	60.56%
Grand Total	100.00%	100.00%	100.00%

P-value=0.0023

Decision on inputs purchase and fert. application

% of women who used fertilizers by decision maker on inputs purchase

Fertilizer application	Man only	Woman or both	Grand Total
No	60.50%	37.47%	44.87%
Yes	39.73%	+58%	55.49%
Grand Total	100.00%	100.00%	100.00%

P-value<0.000001

% of women who used fertilizers by women's inputs in tech choice decision

Fertilizer application	No to small extent	Some to large extent	Grand Total
No	58.42%	42.86%	47.16%
Yes	42.11%	+36%	53.13%
Grand Total	100.00%	100.00%	100.00%

P-value=0.0003

Production domain and yield

Average North maize yield by decision maker on inputs purchase

Decision to purchase inputs	Average yield (kg/acre)
Man only	1284.90
Woman or both	1578.27
Grand Total	1477.29

+23%

P-value<0.0005

Average North maize yield by level of empowerment in production domain

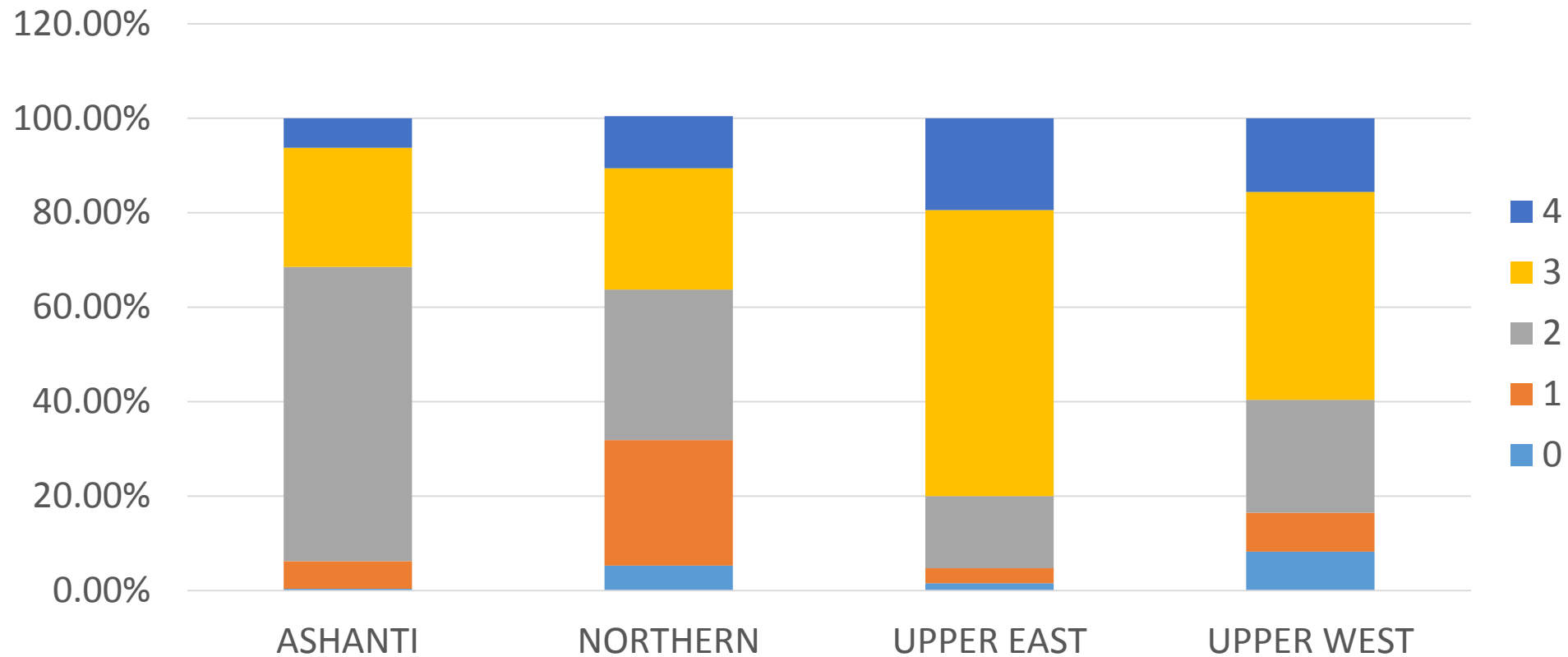
Production domain	Average yield (kg/acre)
Non empowered	1293.81
Empowered	1568.62
Grand Total	1477.29

+21%

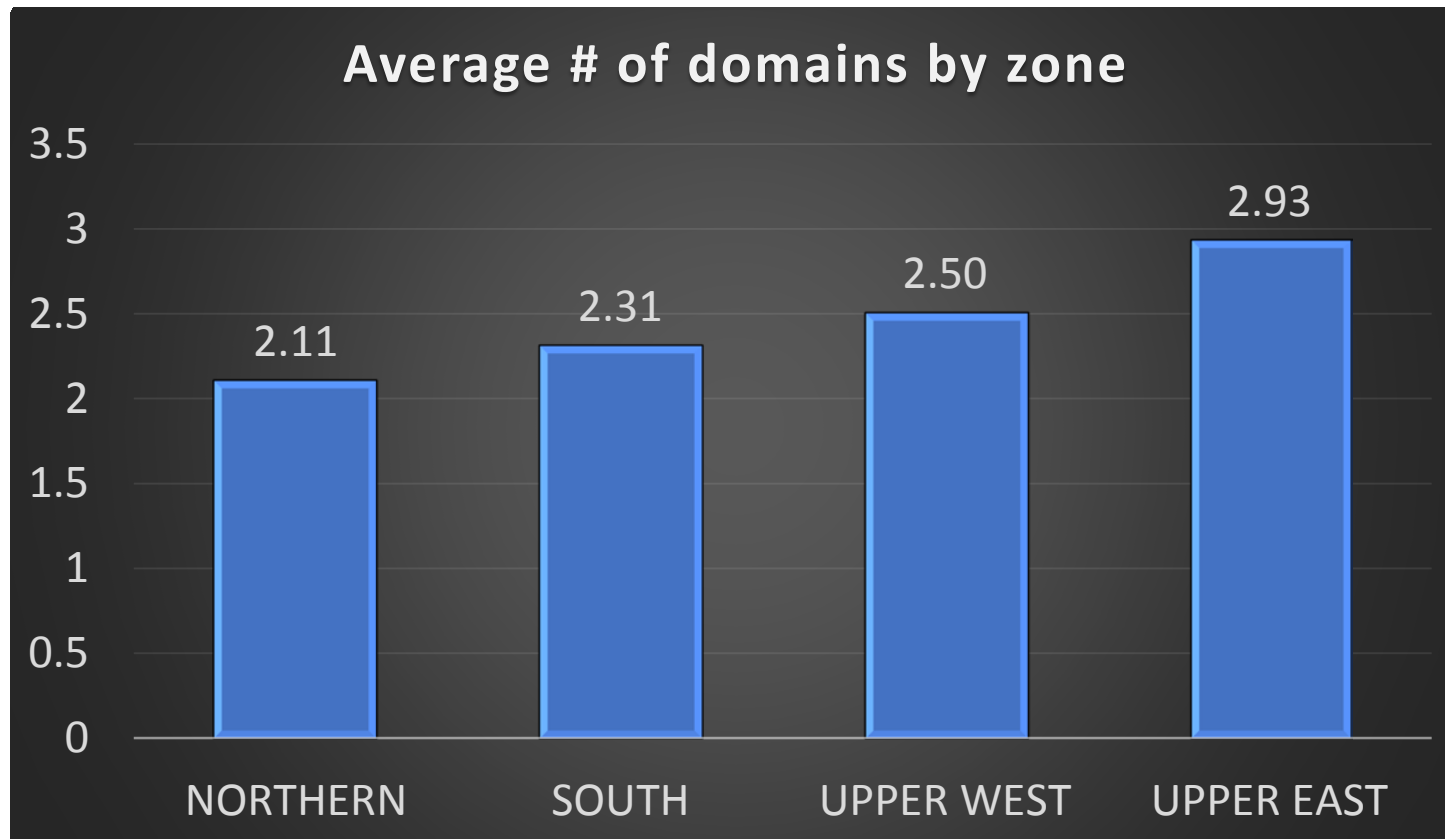
P-value<0.001

Overall domains

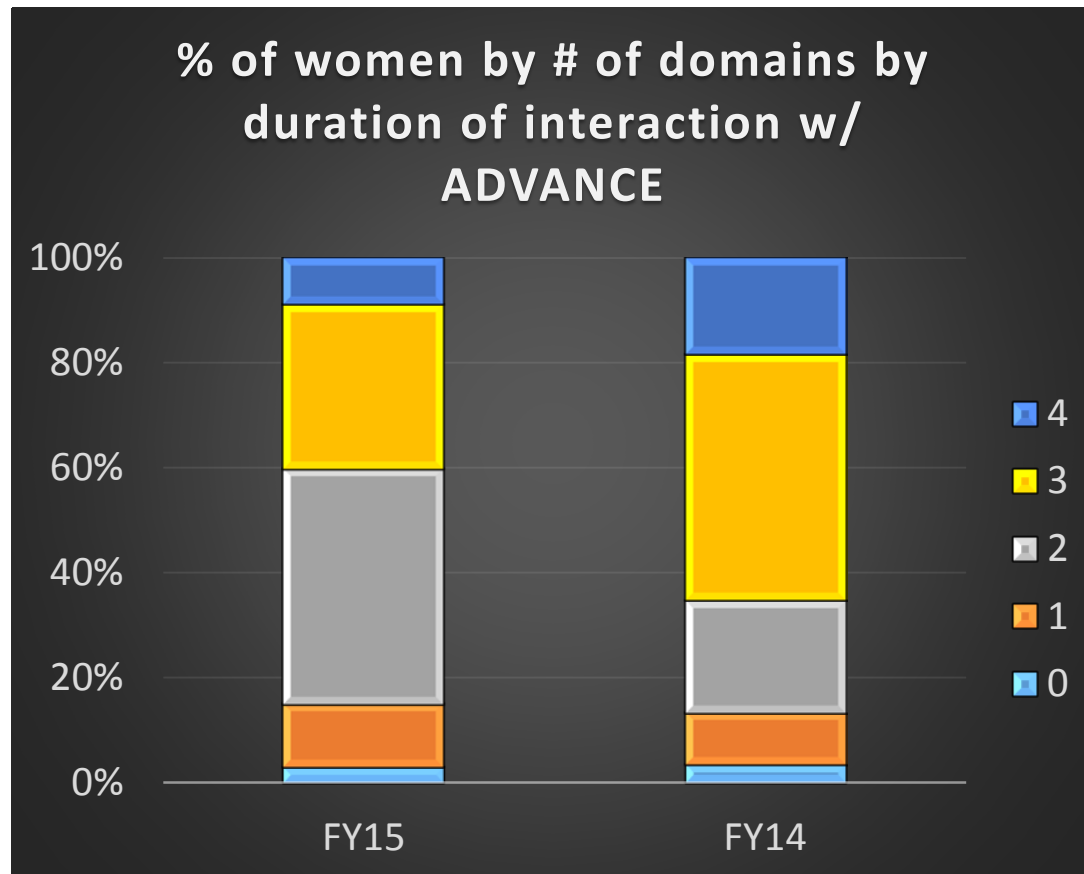
% of women by number of domains of empowerment



Overall domains (2)



Overall domains (3)



FY of 1st interaction	Average # domains
FY15	2.31
FY14	2.67
Grand Total	2.43

Overall domains (3)

