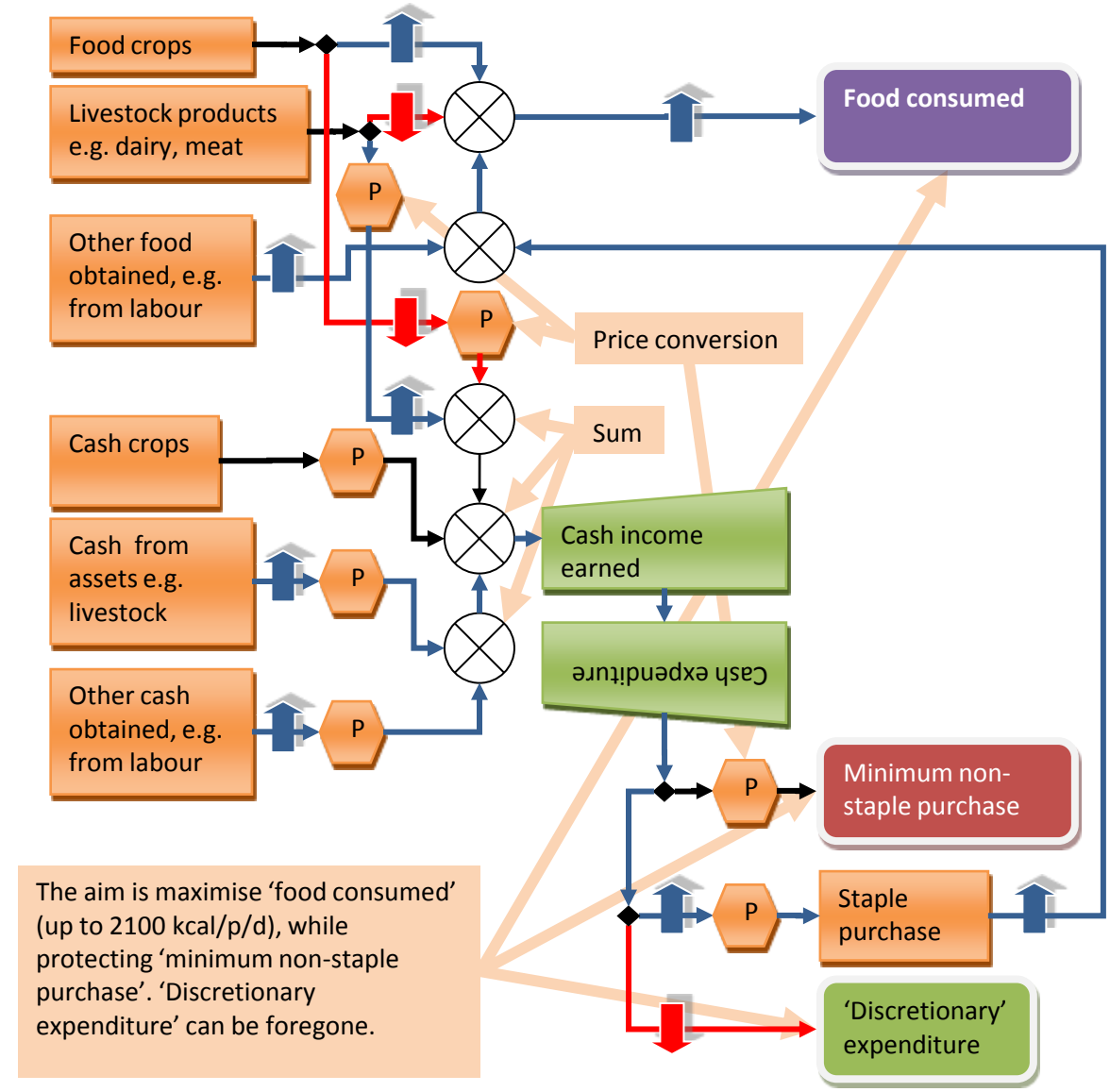
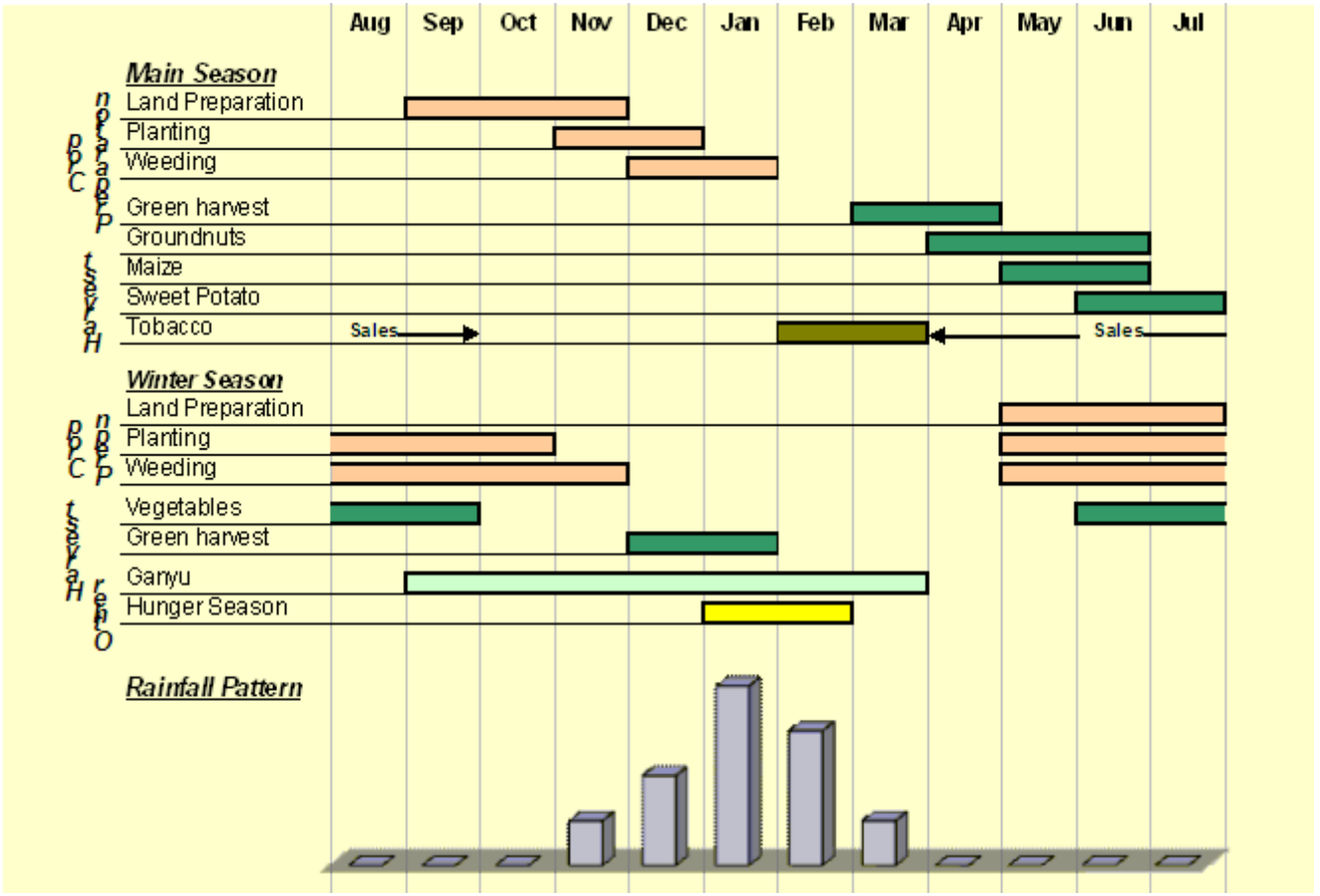
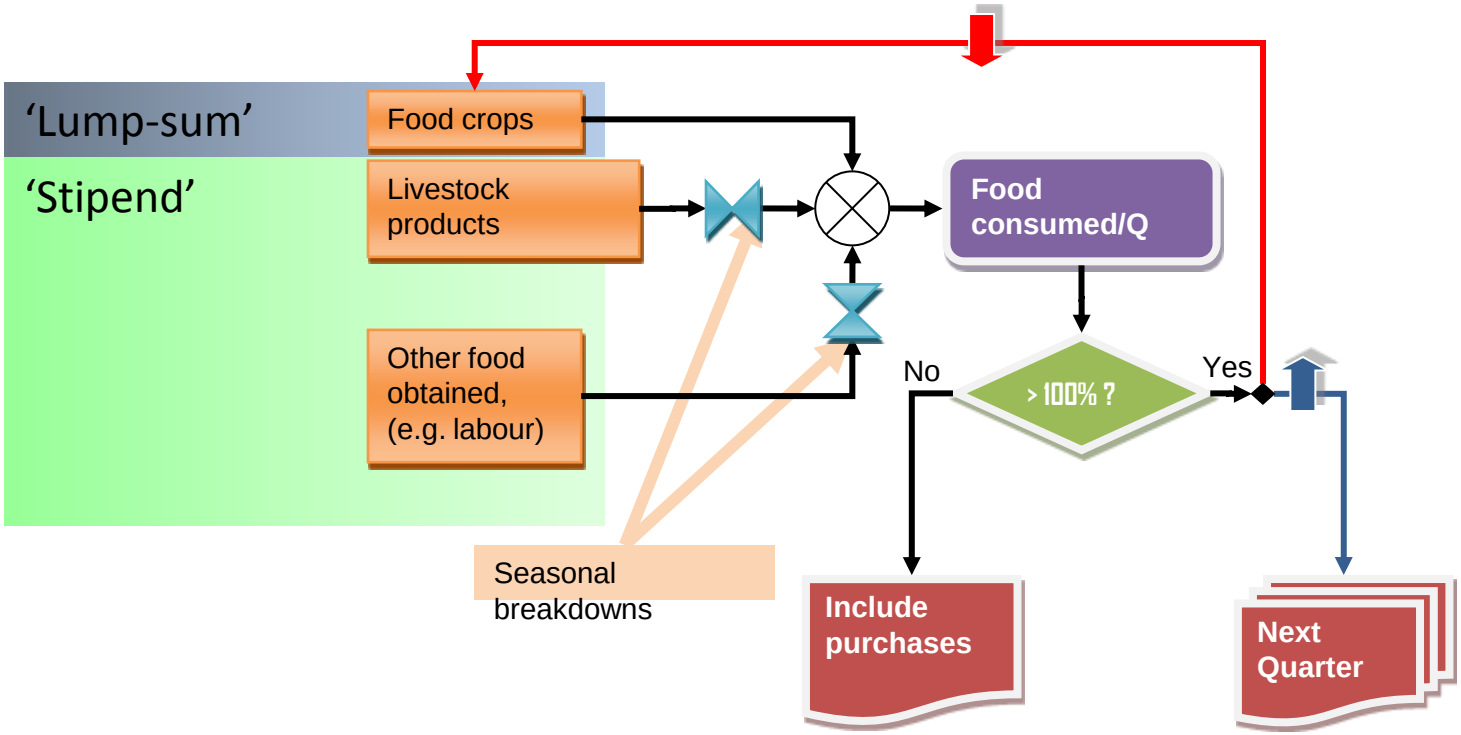
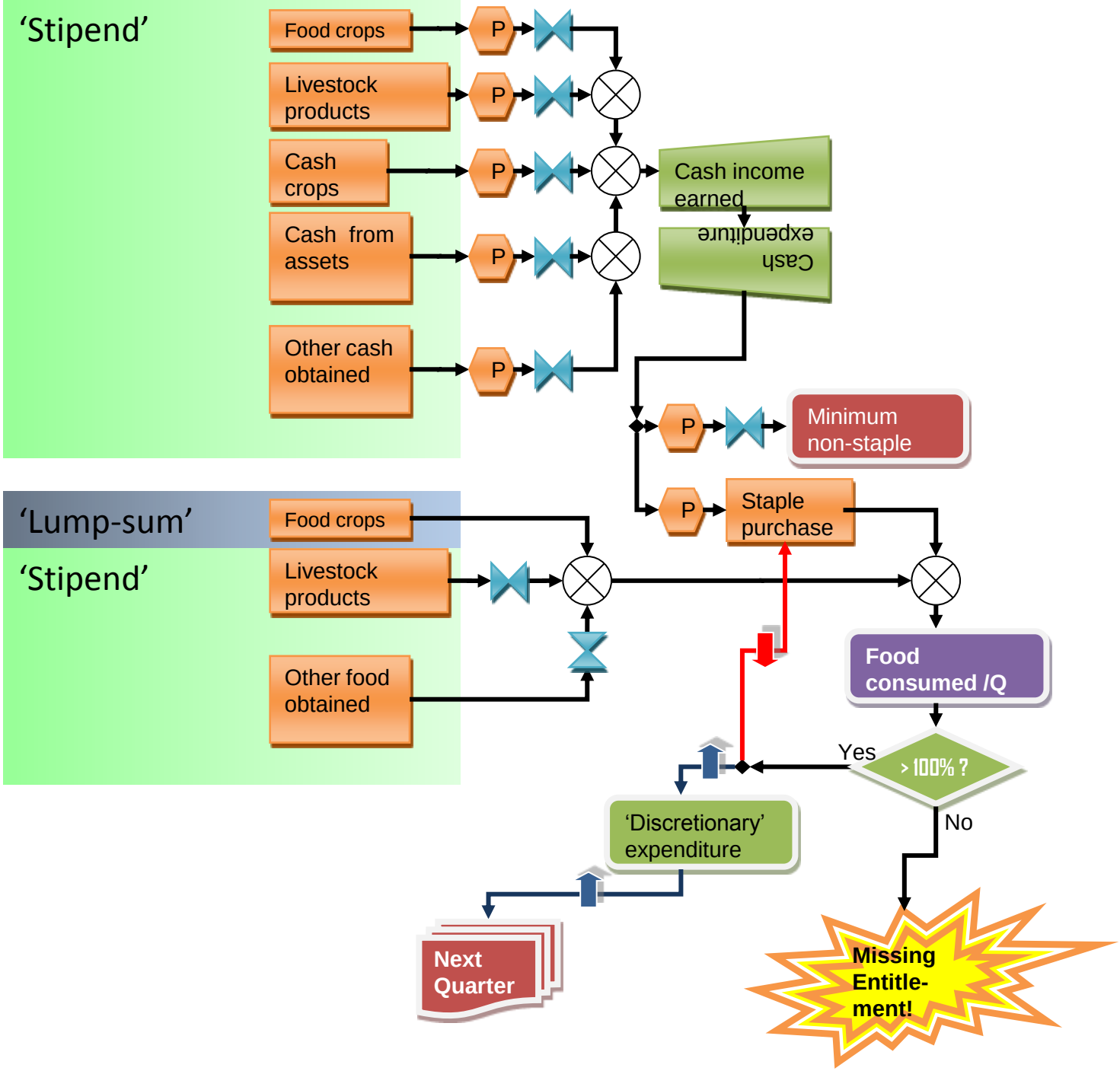
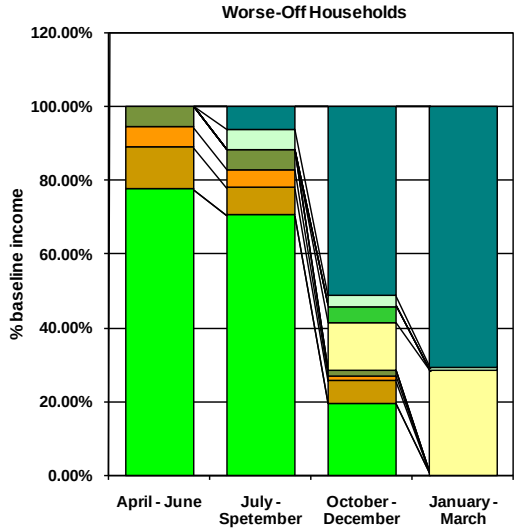
Figure - The HEA Model for a Consumption Year

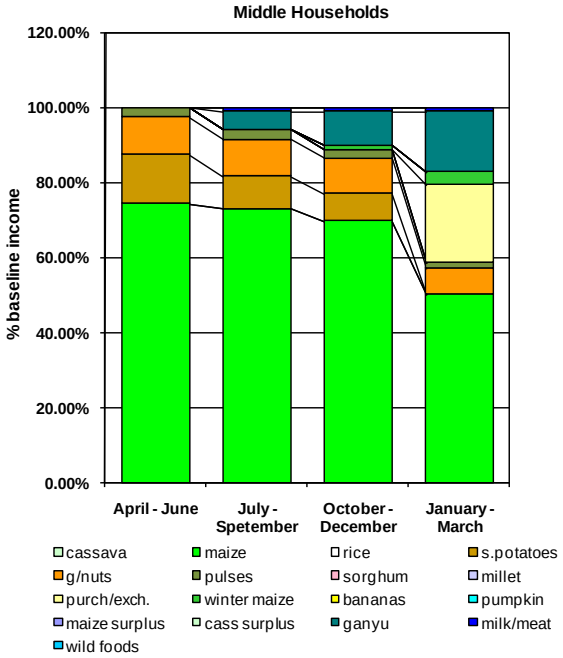



Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Main Season
Land Preparation
Planting
Weeding
Green harvest
Groundnuts
Maize
Sweet Potato
Tobacco
Sales
Sales
Winter Season
Land Preparation
Planting
Weeding
Vegetables
Green harvest
Ganyu
Hunger Season
Rainfall Pattern

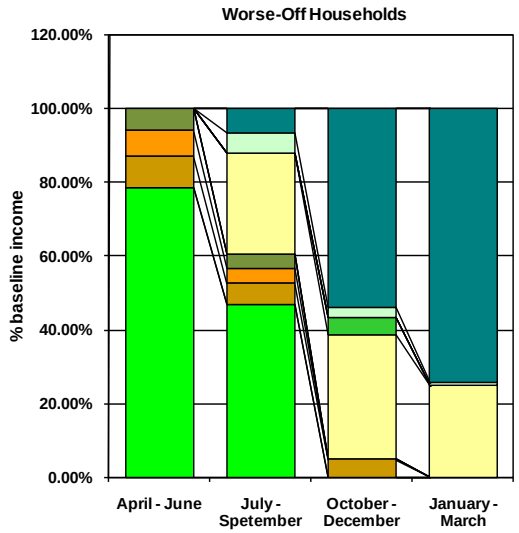

‘Lump-sum’
‘Stipend’
Food crops
Livestock products
Other food obtained, (e.g. labour)
Seasonal breakdowns
Food consumed/Q
> 100% ?
No
Yes
Include purchases
Next Quarter

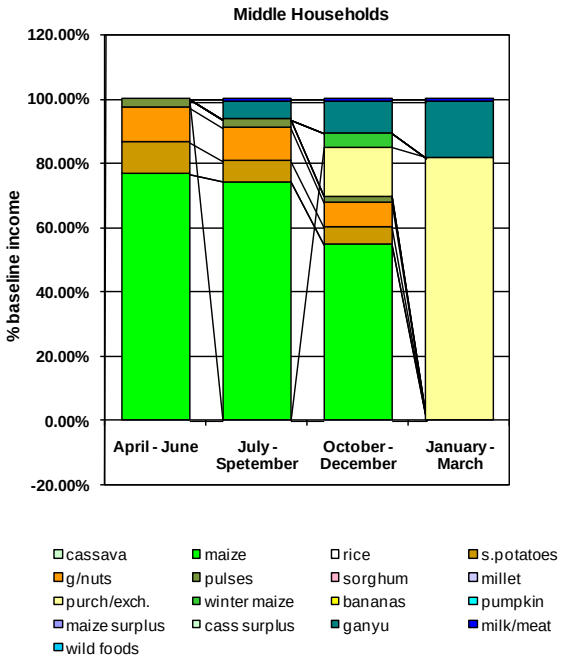

'Stipend'
Food crops
Livestock products
Cash crops
Cash from assets
Other cash obtained
P
Cash income earned
Cash expenditure
Minimum non-staple
Staple purchase
'Lump-sum'
'Stipend'
Food crops
Livestock products
Other food obtained
Food consumed /Q
Yes
> 100% ?
No
'Discretionary' expenditure
Next Quarter
Missing Entitle-ment!



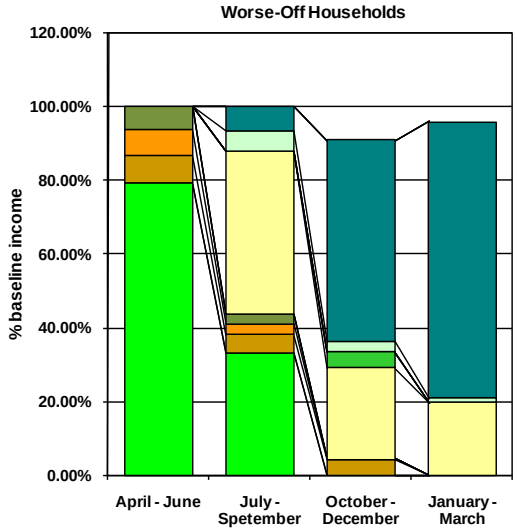

No crop losses, just price changes

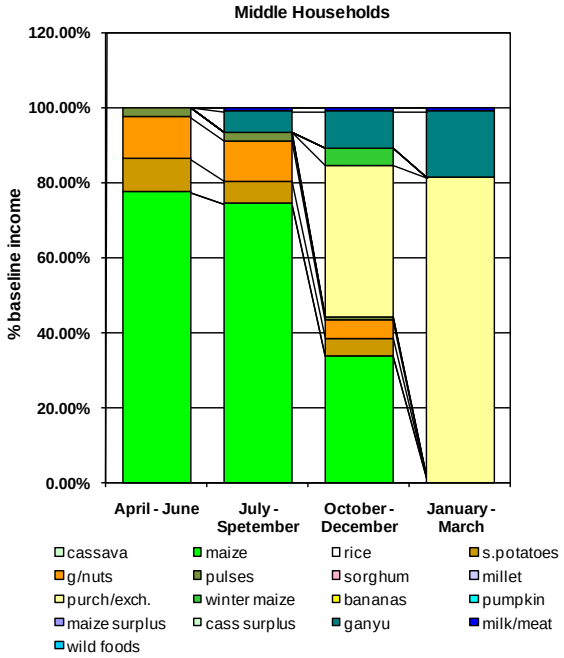


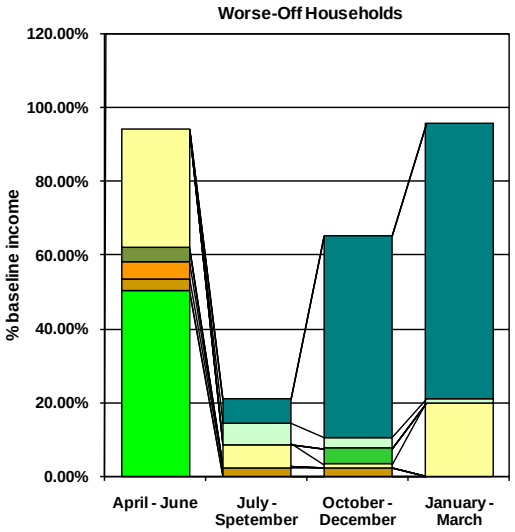

Mild crop failure: lose 13% tobacco and 25% main food crops

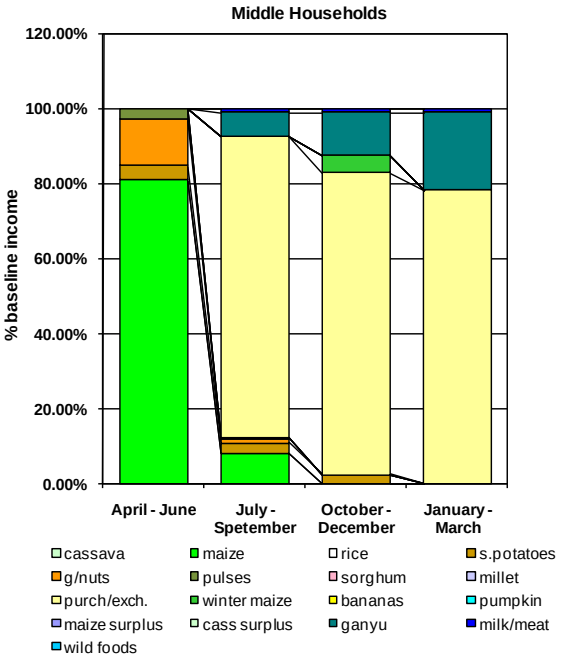
(source of data for model: Malawi Vulnerability Assessment Committee, 2003)



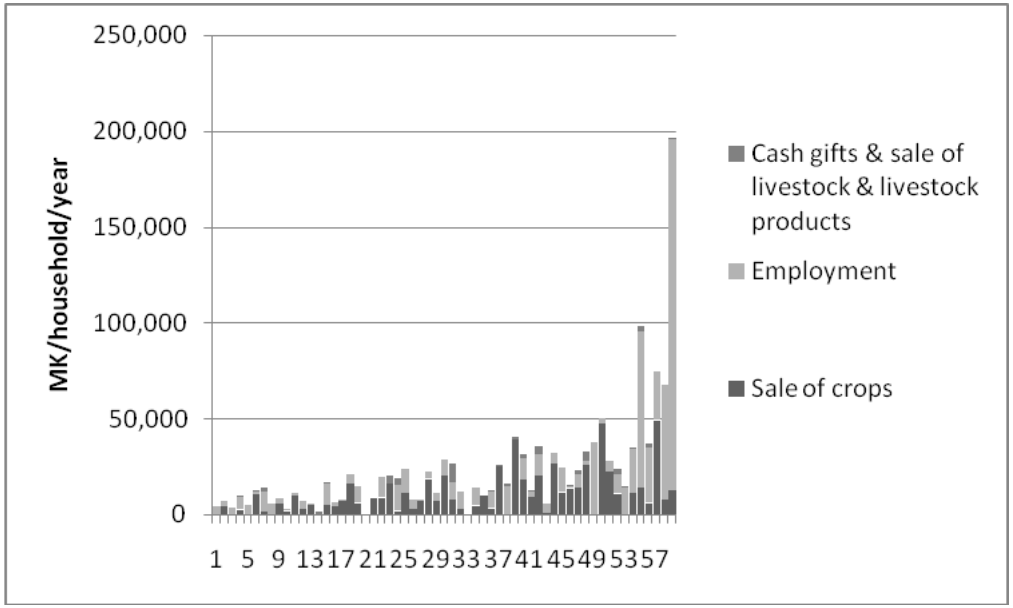

Significant failure: lose 17% tobacco and 33% main food crops



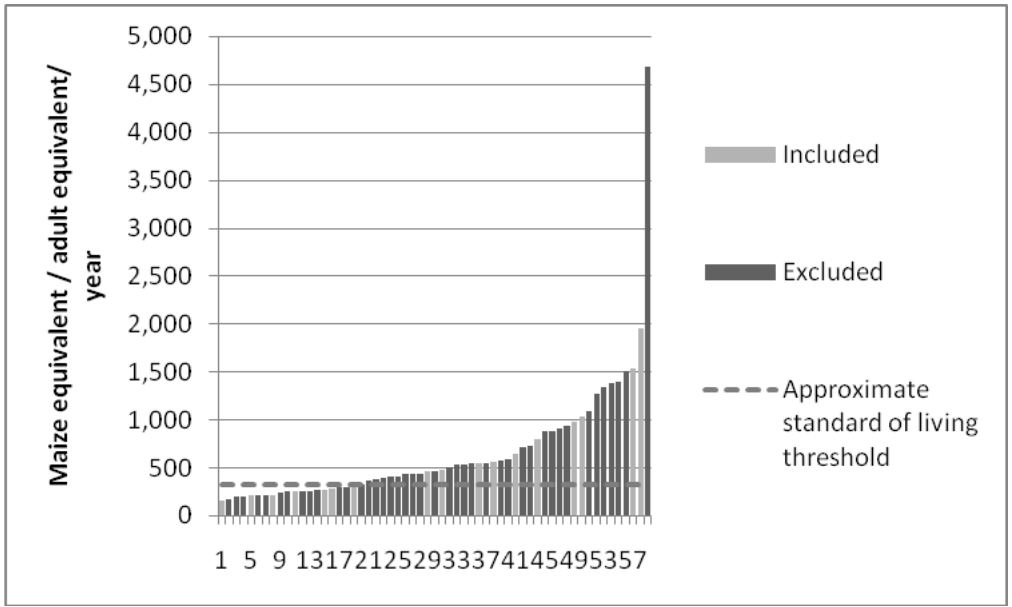



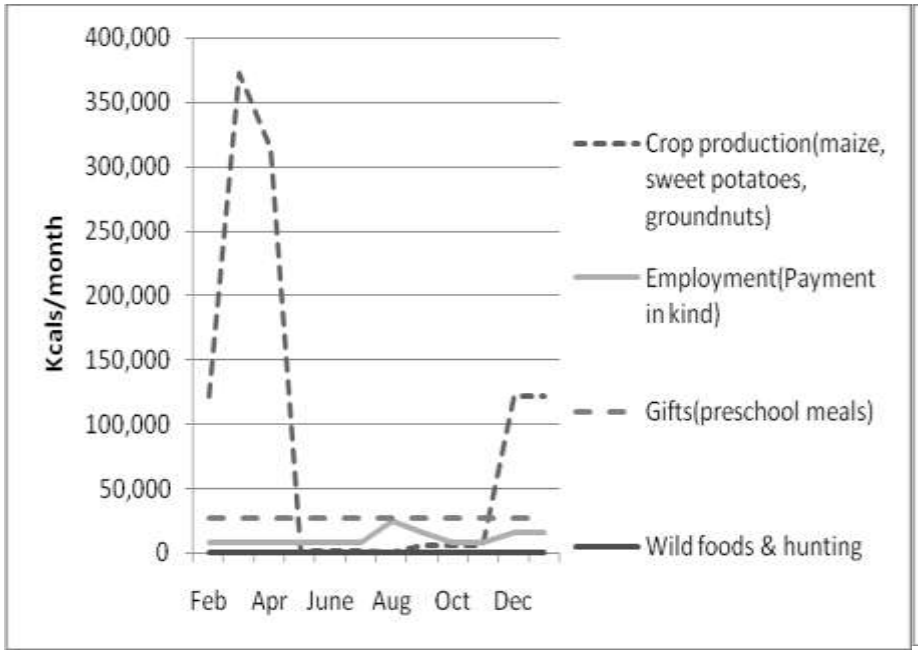

Extreme failure: lose 40% tobacco and 70% main food crops

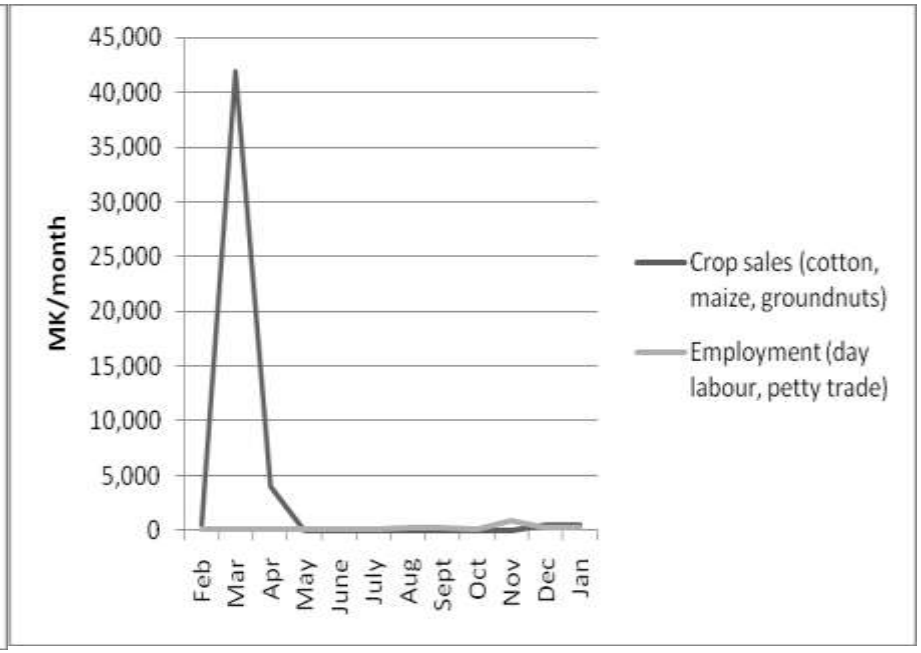
Household cash income, Malawi Kwacha (MK) / household/ year




Households included in the analysis and the approximate standard of living threshold




400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Kcals/month
Feb
Apr
June
Aug
Oct
Dec
Crop production(maize, sweet potatoes, groundnuts)
Employment(Payment in kind)
Gifts(preschool meals)
Wild foods & hunting


45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
MK/month
Feb
Mar
Apr
May
June
July
Aug
Sept
Oct
Nov
Dec
Jan
Crop sales (cotton, maize, groundnuts)
Employment (day labour, petty trade)

Estimated seasonal consumption of the poorest household assuming a food intake equivalent to 1,400Kcals averaged over the whole population; 10% of the non-food expenditure required to meet the standard of living threshold and the lower food price