

## APPENDIX 1

### Programme For The Golden Milestone Workshop On Improved Food Crops Marketing Through Appropriate Transport For Poor Farmers In Uganda, Iganga, 2 – 4 July 2003

Wednesday, July 2 <sup>nd</sup> , 2003	
08:00 - 9:00	Arrival and Registration
<b>TECHNICAL SESSION I: Chairman, Mr. Paul Kwamusi, Transport Forum Group (TFG)</b>	
09:00-9:15	Self-Introductions by Participants
09:15 – 9:25	Workshop Objectives and Outputs - Dr. Kaira, Local Project Coordinator TFG
09:25-9:45	Recap of Rural Transport Project - Dr. Kaira, Local Project Coordinator TFG
09:45 – 10:30	Presentation of the Baseline Study - Mr. Kleih, Team Leader NRI
10:30 –10:45	<i>Opening Address by Mr Francis Batinti, RDC Iganga District</i>
10:45 – 11:00	<i>Group Photograph</i>
11:00-11:30	<b>COFFEE/TEA BREAK</b>
11:30-13:00	Discussions
13:00-14:00	Lunch
<b>TECHNICAL SESSION II: Mr. David Smith &amp; Mr. Frank Almond</b>	
14:00-15:30	<b>Theme: Developing Project Partnerships</b>
15:30-16:00	<b>COFFEE/TEA BREAK</b>
16:00-17:00	IMT Demonstration at Local Government Headquarters
Thursday, July 3 <sup>rd</sup> , 2003	
8:30-10:30	<b>Theme: Developing Project Partnerships Continued</b>
10.30 – 11:00	<b>TEA/COFFEE BREAK</b>
<b>TECHNICAL SESSION III: Theme: Plan For Action Research</b>	
10:30-11.30	Sub-theme: Distribution Strategy Identification of Clients Economics Ergonomics
13:00-14:00	<b>Lunch</b>
14:00-15:30	Sub-theme: Distribution Strategy Support services Acquisition of IMTs by the Clients (selection, critical mass, credit lines, give a calf,)
15.30 – 16:00	<b>TEA/COFFEE BREAK</b>
16:00-16:30	Presentation of KENDAT Baseline Study
16:30-16:45	Discussion
16:45-17:15	Presentation of KENDAT Plan For Action Research
17:15-18:00	Discussion
Friday, July 4 <sup>th</sup> , 2003	
8:30-10:30	Sub-theme: Participatory M&E
10:30-11:00	<b>COFFEE/TEA BREAK</b>
11:00-13:00	Sub-theme: Participatory M&E Continued
13:00-14:00	<b>Lunch</b>
14:00-15:30	Sub-theme: Participatory M&E Continued
15.30 – 16:00	<b>TEA/COFFEE BREAK</b>
<b>TECHNICAL SESSION IV: Closing Session Chairman, Mr. Paul Kwamusi, Transport Forum Group (TFG)</b>	
16:30-16:45	Presentation of the workshop outputs – Dr. Kaira, Local Project Coordinator TFG
16.45-16.50	Vote of Thanks – Mr. Paul Kwamusi, Chairperson, TFG
16:50-17:00	Closing Remarks – Mr. A. Kyaffu, Chairman LCV, Iganga District
18:00	<b>COCKTAIL</b>

## APPENDIX 2

### List of Workshop Participants

NAME	DESIGNATION	ADDRESS	E-MAIL	TELEPHONE
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WAKABAKA VT	FARMER	KIROBA BUDOMA IGANGA DISTRICT		
KANGE KATIRINI		KIROBA BUDOMA IGANGA DISTRICT		
BALIDAWA BADRU	ADMINISTRATOR	NTEGA- IGANGA		
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NABIRYO EDITH				
KAZUNANI D				
MBABAZI M.C.				



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**APPENDIX 3**

**Golden Milestone Workshop  
Objectives and Outputs**

**Presentation by Dr C K Kaira, TFG**

# Golden Milestone Workshop Objectives & Outputs

By

Dr. Charles K. Kaira  
Local Project Coordinator

## Main Objectives

- Review of research project activities in the last twelve months
- Presentation of the Baseline Study on household livelihoods and transport needs in Iganga, Kasese and Katakwi Districts
- Development of Project Partnerships:
  - Coalition Framework for Research Project
  - Map of stakeholder Relationships

## Main Objectives (Continued)

- Formulation of Plan for Action Research:
  - Distribution Strategy for IMTs:
    - Economics of IMTs
    - Ergonomics of IMTs
    - Identification of Clients
    - Acquisition of IMTs by Clients
      - Selection
      - Meeting a critical mass
      - Availability of credit lines
      - Give a calf, etc.
    - Support services

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## Main Objectives (Continued)

- Development of Participatory Monitoring & Evaluation (PM&E)
  - Preparation of PM&E system
  - Stakeholder Involvement
  - Information needs
  - Information collection tools
  - Resource requirements
  - Allocation of responsibilities

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## Outputs

- Action Plan Strategy
  - IMT Distribution strategy
  - Participatory Monitoring & Evaluation Framework
- The Way Forward

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Thank You For Your attention!

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## **APPENDIX 4**

**Recap of Project, Presentation by Dr C K Kaira, TFG**

# Improved Food Crops Marketing Through Appropriate Transport For Rural Farmers in Uganda

## Project Recap

By

Dr. Charles K. Kaira  
Local Project Coordinator

## Research Collaborating Institutions

- Natural Resources Institute (NRI) – Lead
- Transport Forum Group (TFG) – Local
- Transport Research Laboratory (TRL)
- Silsoe research Institute

## First Year Activities

- Assistance to TFG Uganda to set up an office
- Kick-start Workshop - 27-29<sup>th</sup> May 2002
- Strengthening of existing networking mechanisms & creation of new linkages within Uganda and international partners
- Baseline Study PRAs - 22 Sept. to 12 Oct. 2002
- HH Questionnaire - Mid-Nov. - Dec. 2002
- Trial Introduction of IMTs - Mid-Nov. 02 – Jan.03
- Training of Artisans in Kenya December 2002
- Prepare Baseline Study Report – Jan.-March. 2003

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## Assistance to TFG Uganda to set up an office

- Opened Office in May 2002
- Address:
  - 5 Edinburgh Avenue, Lower Kyambogo Estate, P.O. Box 20 Kyambogo, Uganda.
  - Telephone: 256-41-288312
  - Fax: 256-41-286218
  - Email: [skkatira@amricanline.co.ug](mailto:skkatira@amricanline.co.ug)

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## Kick-start Workshop

- Selected three Districts:
  - Kasese (Mountainous)
  - Katakwi (Teso Farming system)
  - Pader (Lango Farming system) due to insurgency now replaced by Iganga (Banana Farming system)

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## Strengthening networking mechanisms & creation of new linkages

- Plan for Modernization of Agriculture (PMA), Kampala
- Serere Agricultural and Animal Production Research Institute (SAARI),
- Multi-Purpose Training and Community Empowerment Association (MTCEA), Iganga
- Youth With a Mission (YWAM), Katakwi
- Karughe Farmers Partnership, Bwera, Kasese
- T Triple W Engineering Ltd, Kenya
- KENDAT

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## Baseline Study PRAs

- Three Sub-counties in each district
- One Village in each sub-county
- One day (11 am – 4 pm) in each village
- Six Experts (Marketing, Engineering, sociology, Gender, Transport Economist, Veterinary Medicine)

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## Household Survey

- Total of 397 HHs in nine Sub-counties
  - Iganga (Ivukula, Bukanga & Makutu)
  - Kasese (Kyabarungira, Mahango & Nyakiyumbu)
  - Katakwi (Asamuk, Orungo & Kapujan)

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## Trial Introduction of IMTs

- Purchase of IMTs (20 Donkeys, Ox-ploughs, 6 pair of Oxen, Animal Carts)
- Training of Farmers in Draught animal utilization
- Activity put to a stop by Review Team until Baseline Study Report Ready & Action Research Plan ready.

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## Training of Artisans in Kenya

- One week training in Kenya in the art of animal-cart wheel-making (wooden, steel & rubber) at Ms Triple W. Engineering Ltd, Naro Moru, Kenya for:
  - Mr. Wakesa (Kamwenge)
  - Mr. Simon Aliao (Katakwi)
  - Muhamed Wadude (Iganga)
  - Mr. M. Muhindo (Kasese)

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Thank You For Your Attention!



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**APPENDIX 5**

**Results of the Baseline Study, Presentation by Mr U Kleih, NRI**

**APPENDIX 5**

**Results of the Baseline Study, Presentation by Mr U Kleih, NRI**

**Improved Food Crops  
Marketing through  
Appropriate Transport for  
Poor Farmers in Uganda**

**Baseline Study in 9 Sub-Counties of  
Iganga, Kasese, and Katakwi Districts**

**Study funded by DFID  
Crop Post-Harvest Research Programme**

**NRI**

**TFG**

**TRL**

**SRI**

**Local  
Partners**

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# **Summary of Findings of the Baseline Study**

## **The Survey**

### **Survey Locations**

### **Participatory Rural Appraisal**

### **Household Questionnaire Survey**

## Survey Locations

District	Sub-Counties	Accessibility	No of Households Interviewed
Iganga	Ivukula	Medium	45
	Bukanaga	Good	45
	Makutu	Remote	44
Kasese	Kyabarungira	Mountains, poor access	43
	Mahango	Mountains, poor to medium access	45
	Nyakiyumbu	Mountains and flat terrain, variable access	42
Katakwi	Asamuku	Good	44
	Orungo	Remote	45
	Kapujan	Medium	44

# **Participatory Rural Appraisal**

## **Techniques used**

**Literature survey**

**Key informant discussions**

**Semi-structured interviews**

**Maps, e.g. of transport and travel patterns**

**Scoring and Ranking, e.g. on use of certain means of transportation**

**Calendars, daily activity profiles**

**Transect walks**

**Case studies**

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## **Issues Covered**

**District setting, LG, NGOs**

**Farmers' livelihoods:**

- Assets, vulnerability context,
- Farming, marketing, other income generating activities

**Availability of means of transportation  
(motorised, non-motorised)**

**Transport knowledge, use, patterns**

**Road network**

**Suggestions**



# Questionnaire Survey

**Iganga District: 134 Households**

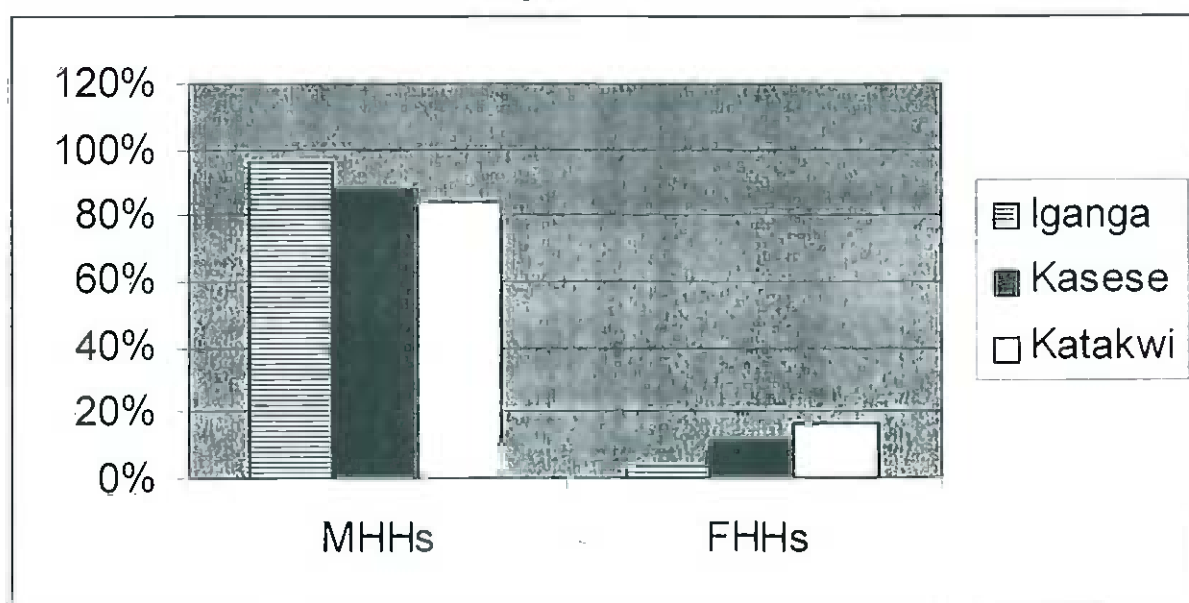
**Kasese District: 130 HHs**

**Katakwi District: 133 HHs**

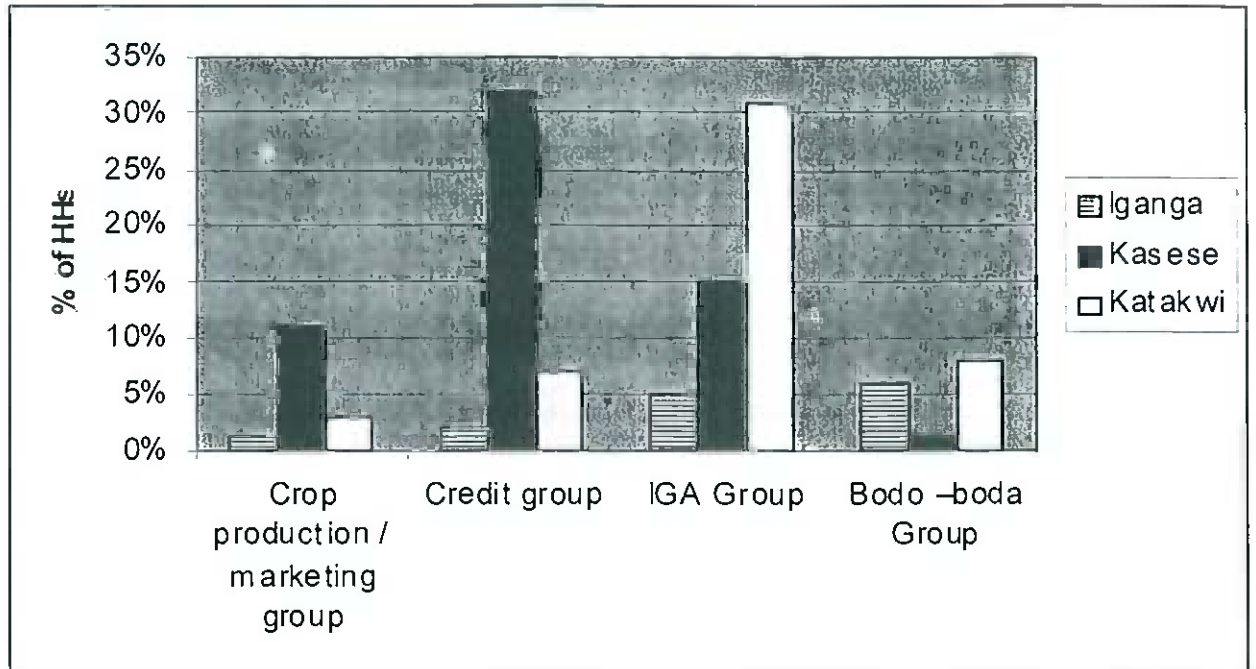
## Sex of Interviewees

District	Male	Female
Iganga	91%	9%
Kasese	82%	18%
Katakwi	51%	49%

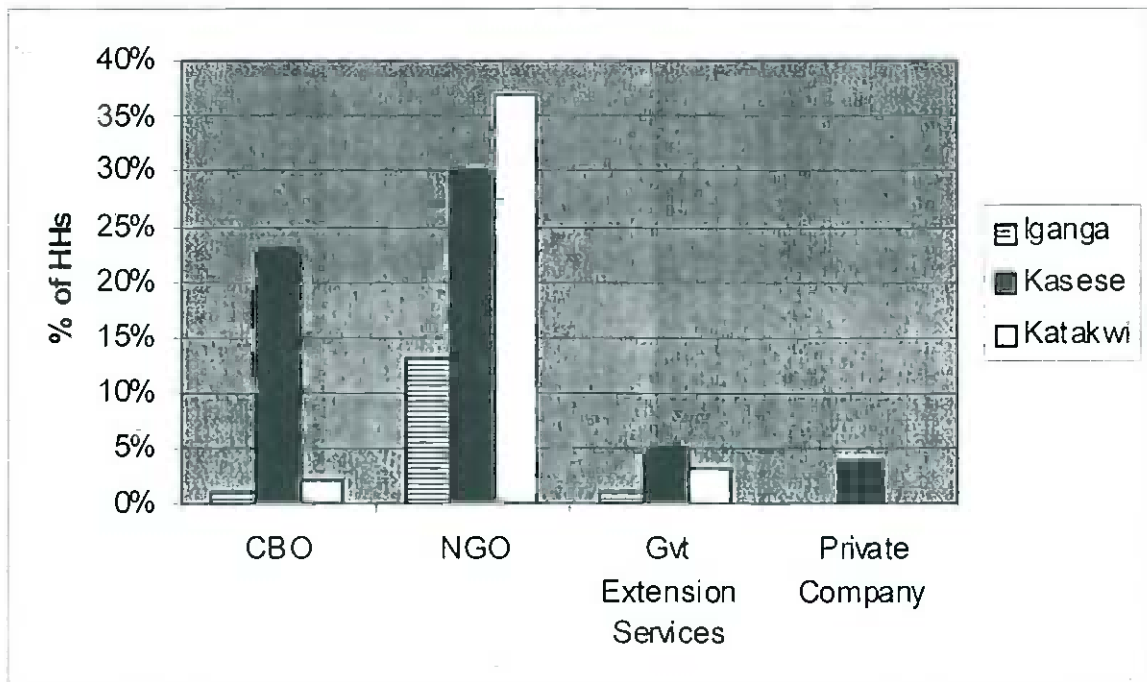
## Household Heads by Gender



## Membership in Different Groups

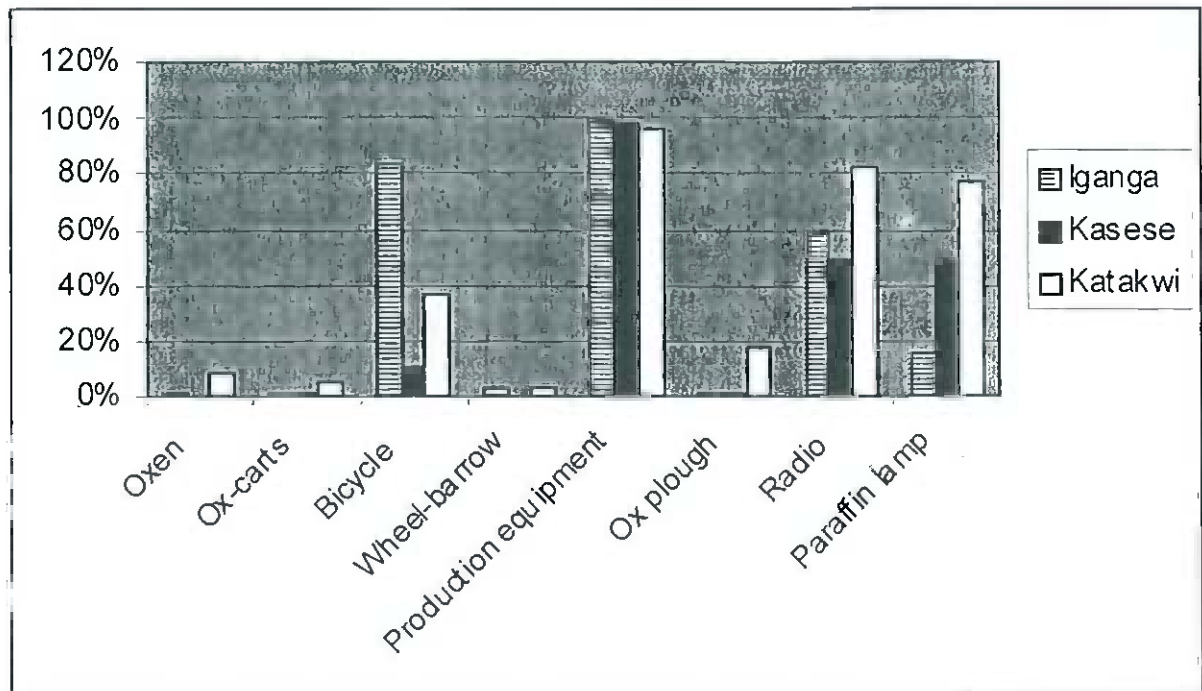


## Linkages with Organisations

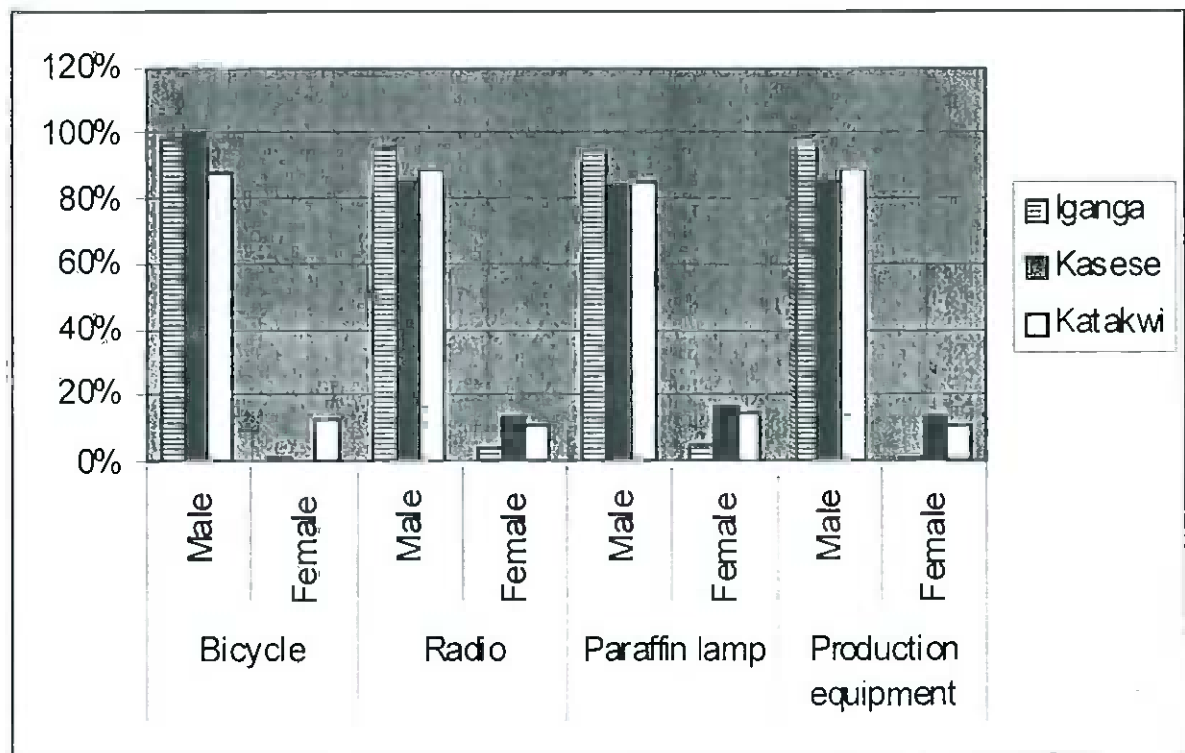


NB: Question was posed as 'Have you, or any member of your family, ever received support from the following'.

## % of Households Owning selected IMTs, and other Goods



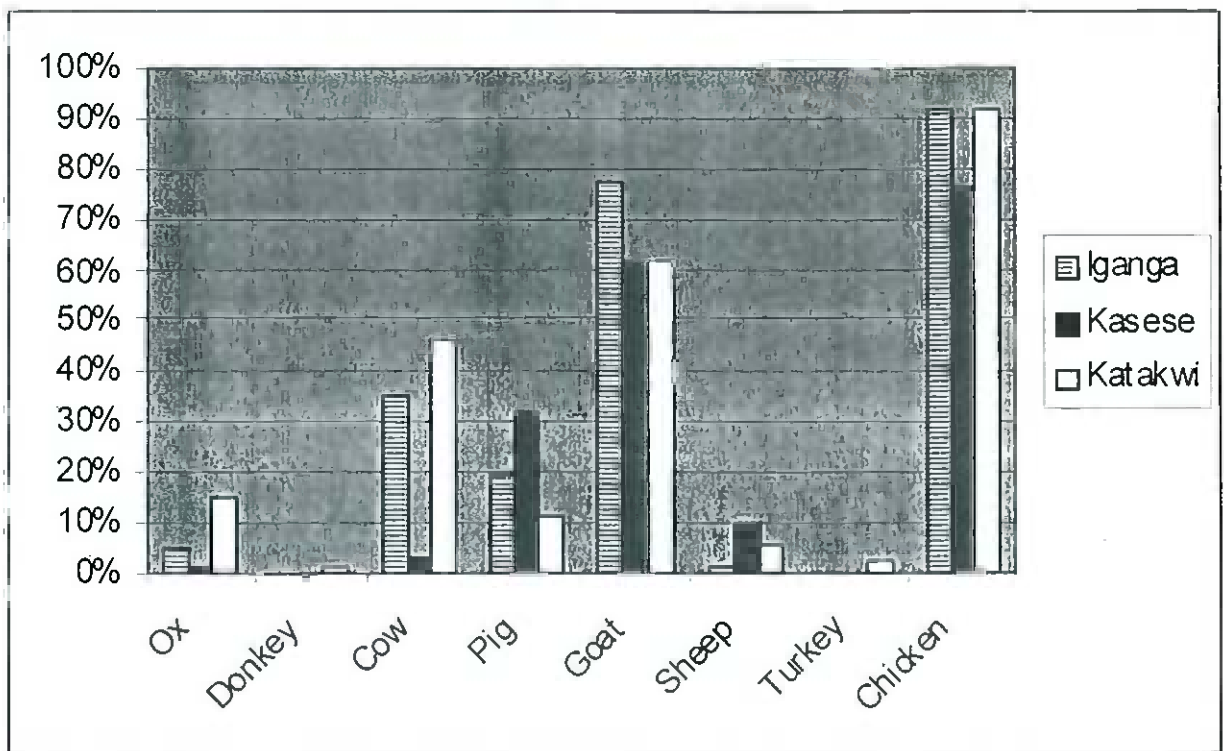
## Ownership of Bicycles and other Selected Goods by Gender



## Land Cultivated

District	Estimated mean total acreage cultivated
Iganga District	3.6
Kasese District	2.8
Katakwi District	4.0

## Livestock ownership



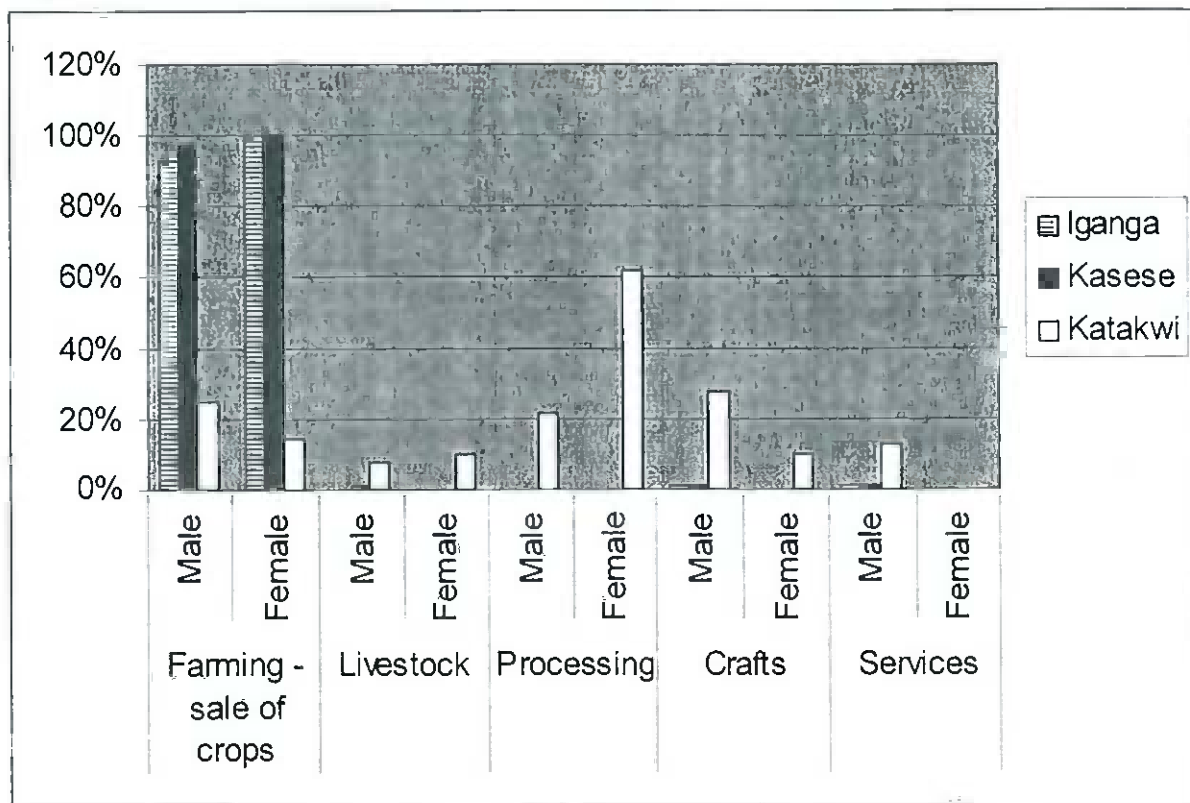
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# **Vulnerability Context**

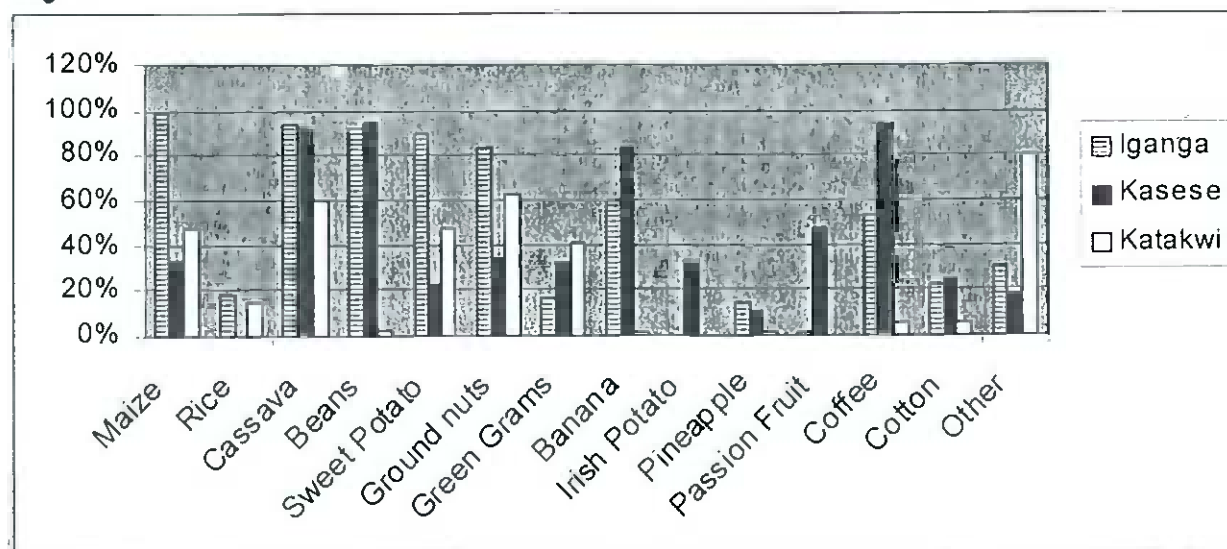
**Context: shocks, trends, and seasonality, i.e.**

- **Insurgencies**
- **Cattle rustling**
- **Aids**
- **Weather related problems**
- **Declining soil fertility**
- **Fluctuating prices of agricultural commodities**

## Selected Primary Occupations / IGA by Household Head, by Gender



## Crops planted by Households, by District



## Main Crops Planted (% of households)

	Iganga	Kasese	Katakwi
Maize	<b>99%</b>	<b>33%</b>	<b>47%</b>
Rice	18%	0%	15%
Cassava	<b>93%</b>	<b>92%</b>	<b>60%</b>
Beans	<b>92%</b>	<b>94%</b>	2%
Sweet Potato	<b>89%</b>	23%	<b>47%</b>
Ground nuts	<b>84%</b>	34%	<b>62%</b>
Green Grams	16%	32%	41%
Banana	<b>60%</b>	<b>84%</b>	1%
Irish Potato	0%	33%	0%
Pineapple	15%	11%	1%
Passion Fruit	1%	<b>47%</b>	0%
Coffee	<b>54%</b>	<b>93%</b>	5%
Cotton	<b>23%</b>	<b>25%</b>	5%
Other	31%	18%	<b>80%</b>



## Crops Marketed (% of Households)

	Iganga	Kasese	Katakwi
Maize	<b>95%</b>	13%	11%
Rice	7%	0%	4%
Cassava	9%	<b>36%</b>	13%
Beans	<b>46%</b>	<b>28%</b>	0%
Sweet	4%	0%	7%
Potato			
Ground	18%	7%	8%
nuts			
Green	9%	2%	15%
Grams			
Banana	10%	0%	0%
Irish	0%	14%	0%
Potato			
Pineapple	10%	1%	0%
Passion	1%	<b>38%</b>	0%
Fruit			
Coffee	<b>46%</b>	<b>85%</b>	2%
Cotton	<b>24%</b>	<b>25%</b>	1%
Other	22%	7%	12%



# **Quantities marketed, per HH**

## **Iganga District: Highest Quantities**

<b>e.g.:</b>	<b>Maize:</b>	<b>901kg</b>
	<b>Beans:</b>	<b>278kg</b>
	<b>Coffee:</b>	<b>644kg</b>
	<b>Cotton:</b>	<b>490kg</b>

## **Kasese District: Medium Quantities**

<b>Cassava:</b>	<b>282kg</b>
<b>Passion fruit:</b>	<b>405 kg</b>
<b>Coffee:</b>	<b>134kg</b>
<b>Cotton:</b>	<b>547kg</b>

## **Katakwi District: Low Quantities**

<b>Maize:</b>	<b>81kg</b>
<b>Cassava:</b>	<b>88kg</b>
<b>Green grams:</b>	<b>66kg</b>
<b>Other:</b>	<b>77kg</b>

# **The Rural Transport System**

## **Motorised Transport:**

**Varies considerably according to location, and accessibility**

**Kasese has the lowest use of motorised transport**

**Iganga and Katakwi have higher use of motorised transport**

**Difficult to discern clear gender patterns**

**Motorised transport is mainly used for travel and not for transport of goods**

## **Intermediate Means of Transport (IMTs)**

**Bicycles are by far the most common IMT**

**Bicycles are more used by men since they are mostly the owners**

**Bicycle ownership is highest in Iganga, followed by Katakwi, whilst it is limited to non-existent in Kasese**

**Other IMTs include:**

- **Stretchers (mainly Kasese)**
- **Sledges (mainly Katakwi)**
- **Ox-carts (mainly Kapujan)**
- **Boats (Kapujan)**
- **Wheelbarrows (although few own them, use is higher due to borrowing / hiring)**

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# **Human Porterage**

**Most common mode of transport in the villages of all three districts**

**Head, back, shoulder and hand loading was encountered**

**In particular, women spend much more time with porterage, as a result of both domestic and productive tasks**

**Farmers in the Kasese hills rely heavily on human porterage, and have much longer trip times than their colleagues**

## **Transport Economics - Capital Costs of Selected IMTS USh**

<b>Bicycle:</b>	<b>100,000</b>
<b>Oxen:</b>	<b>300,000 – 350,000</b>
<b>Donkeys:</b>	<b>80,000 – 100,000</b>
<b>Ox-carts:</b>	<b>250,000 – 700,000</b>
<b>Donkey-carts:</b>	<b>200,000 – 300,000</b>
<b>Wheelbarrows:</b>	<b>about 40,000</b>

### **Issues:**

- **Amount of operating costs for different IMTs**
- **Availability and cost of veterinary services**
- **In most cases IMTs are not only used for agricultural purposes**
- **Bicycles have the lowest operating costs over short distances and if loads are low**
- **Ox-carts become cheaper option once loads become heavier**

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**Villagers in all three Districts expressed a need for better availability of means of transportation**

**It will be decided at the workshop which means of transportation should be tested in which area**

**The condition of road infrastructure most not be forgotten;  
Community access roads are important;  
Maintenance is an issue, in particular of trouble spots such as drainage structures.**

## **Local Organisations and Support Services:**

**A number of organisations were visited and several of them have participated in the survey: e.g.**

### **Local Government Departments**

**PMA / MAAIF**

**Multi-purpose Training and Community and Empowerment Association (MTCEA), Iganga**

**Karughe Farmers Partnership in Kasese**

**Youth with a Mission (YWAM), Katakwi**

**SAARI**

