



Getting started with Nutritious Sweetpotato For Niassa



Batata Doce
Renda
Saúde



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Nutritious Orange-fleshed Sweetpotato for Niassa



Partners



Diocese Anglican, UCA-Concern Universal

Sectors Focus: Agriculture, Health, and Education

Intervention Zones: 7 districts in Niassa Province

Duration : 1 November 2012 – 31 March 2016 (3.5 years)

Presentation Outline



1. Introduction
2. Objectives
3. Achievements
4. On-Farm Trials
Evaluations
5. Challenges & opportunities
6. The way forward



1. Introduction



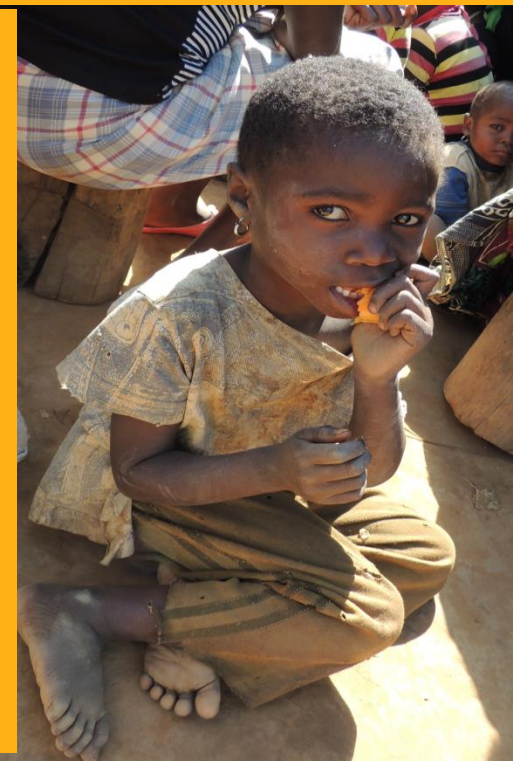
- 1. Strong political support at provincial-level to combat the province's high rates of malnutrition => Donor interest**
- 2. Sweetpotato is already grown in the province => Well-established benefits of orange-fleshed sweetpotato (OFSP) to combating Vitamin A deficiency (VAD);**
- 3. Ideal agro-ecological conditions for OFSP production**
- 4. Availability of 9 OFSP varieties already tested against multiple criteria by CIP in partnership with IIAM in Mozambique;**
- 5. Strong interest in integrating OFSP nutritional content and field trials into existing initiatives (NGOs, Associations,...)**
- 6. Presence of some large-scale producers and the Lichinga urban market.**

2. Objectives



Contribute to reducing Food Insecurity & Vitamin A Deficiency Through Effective Delivery of a Biofortified Crop

- 1. Increase Vitamin A & energy intake in 20,000 vulnerable HHs by January 2016**
- 2. At least 20% of HHs growing OFSP earn 50 USD or more per year from OFSP sales**
- 3. Increase average yields by 50%**
- 4. Build capacity of partners through project good management in collaboration with SETSAN**



3. Achievements

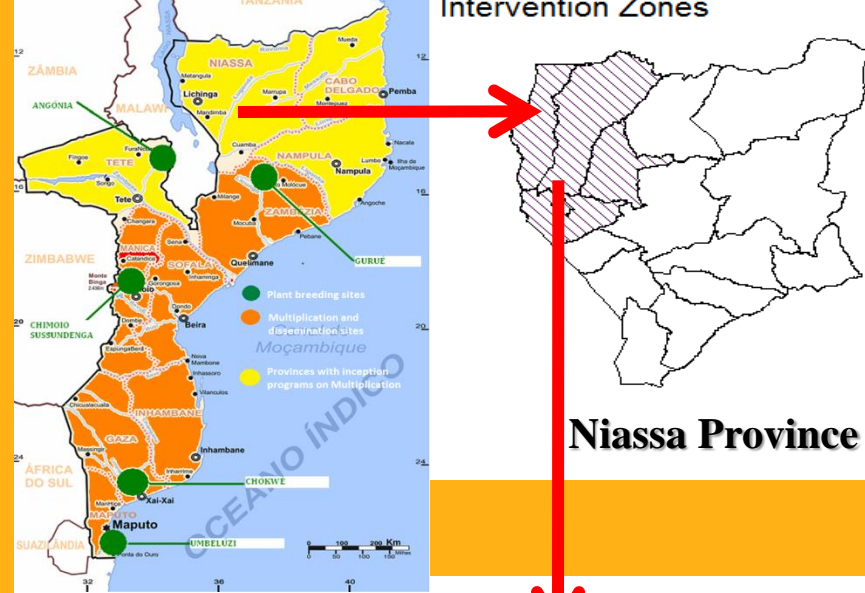
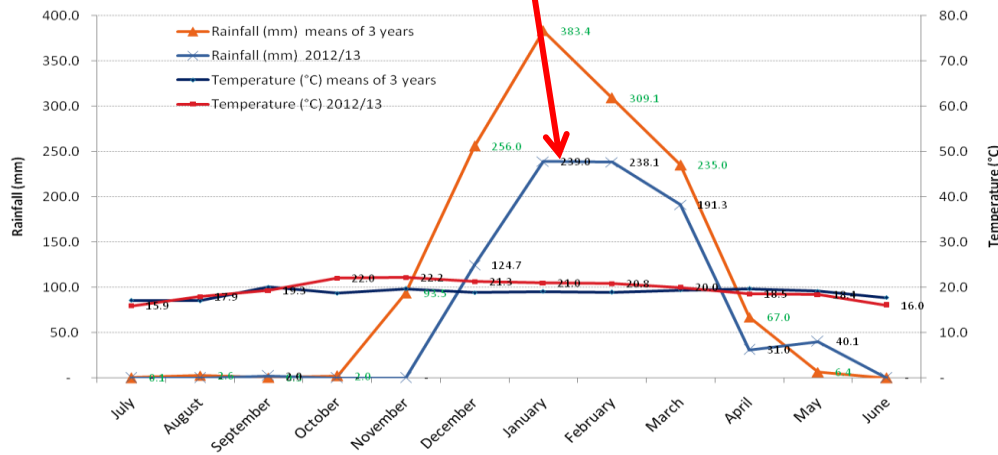
Nine (9) new varieties

- | | |
|-----------|-----------|
| 1. Bela | 6. Ininda |
| 2. Delvia | 7. Irene |
| 3. Esther | 8. Jane |
| 4. Erica | 9. Sumaia |
| 5. Gloria | 10. Local |

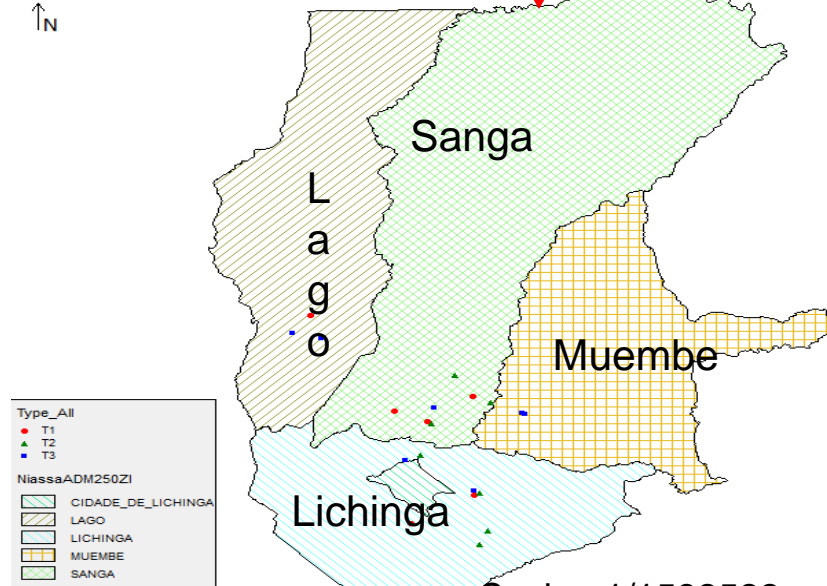


38 OFT planted from 04/01/2013 to 12/01/2013 (one week)

Rainfall pattern in Lichinga



On-Farm trial locations



3. Achievements (cont'd)

1. Launching workshop and monthly coordination meetings;
2. Evaluation of on-farm trials (OFTs) in 4 Districts;
3. Presentation of Results at 4 Districts;
4. Project setup in 3 Districts;
5. Visit Exchange to Malawi => Business Collaboration between DVMs;
6. Training on : OFT installation, vine multiplication, SP production, processing, net tunnels and rapid multiplication;
7. Vine transfer & RM in screen house;
8. Baseline surveys Data collections.



4. On-Farm Trials Evaluations



Criteria for qualitative evaluation of Leaf and Root taste

Dark Green	High appreciation by Men
Bright Green	High appreciation by Women
Yellow-Green	Average appreciation by Men
Yellow	Average appreciation by Women
Red-Orange	Low appreciation by Men
Red	Low appreciation by Women

Cooked Leaf Taste

1. Appearance
2. Texture
3. Taste
4. *Appreciation General of leaf*

Leaf taste period: 24/04 to 14/05/2013 (20 days)



Appreciation General of Leaf & Root

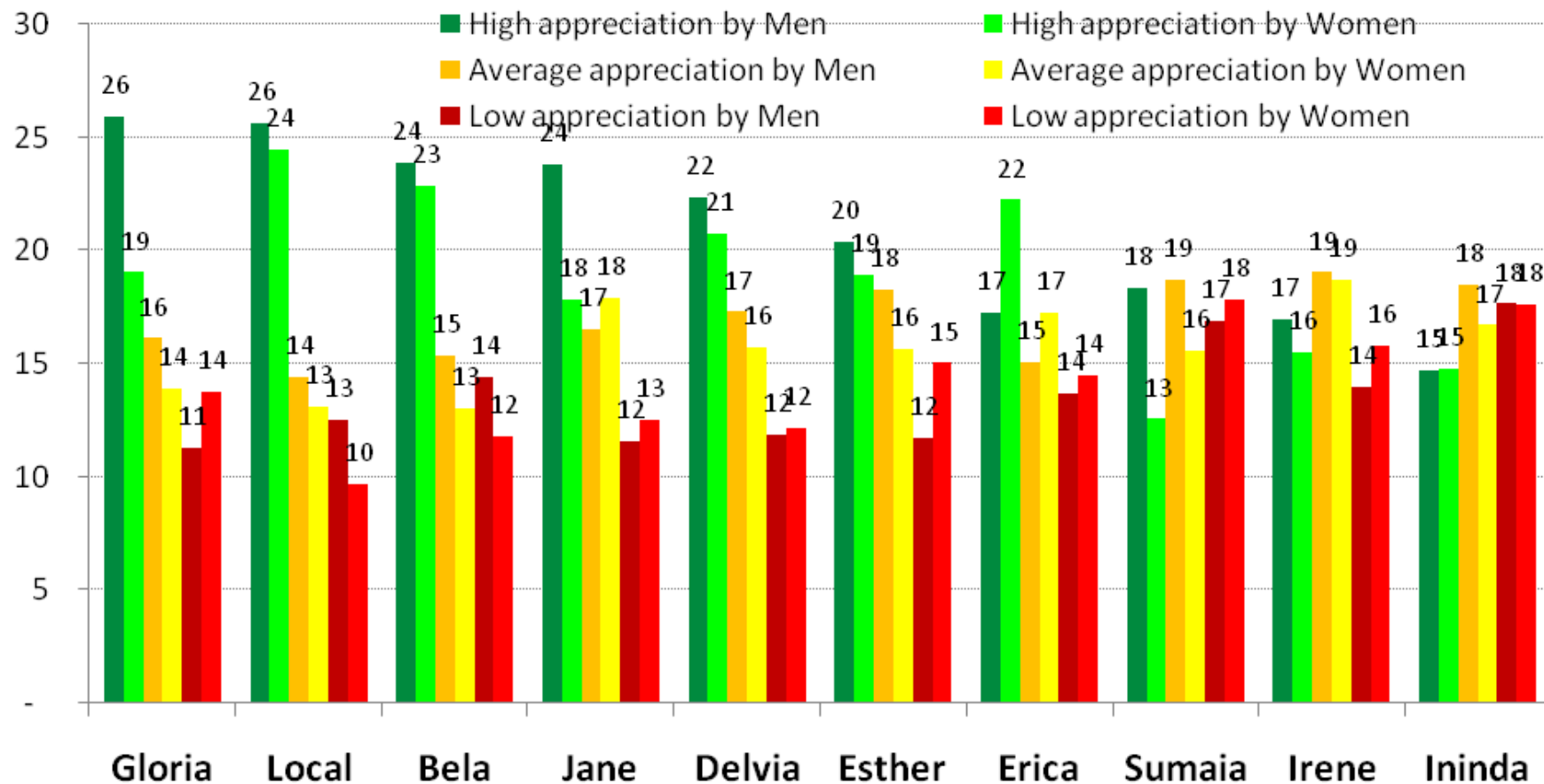
Cooked Root Taste

1. Appearance
2. Texture
3. Aroma
4. Taste
5. *Appreciation General of Root*

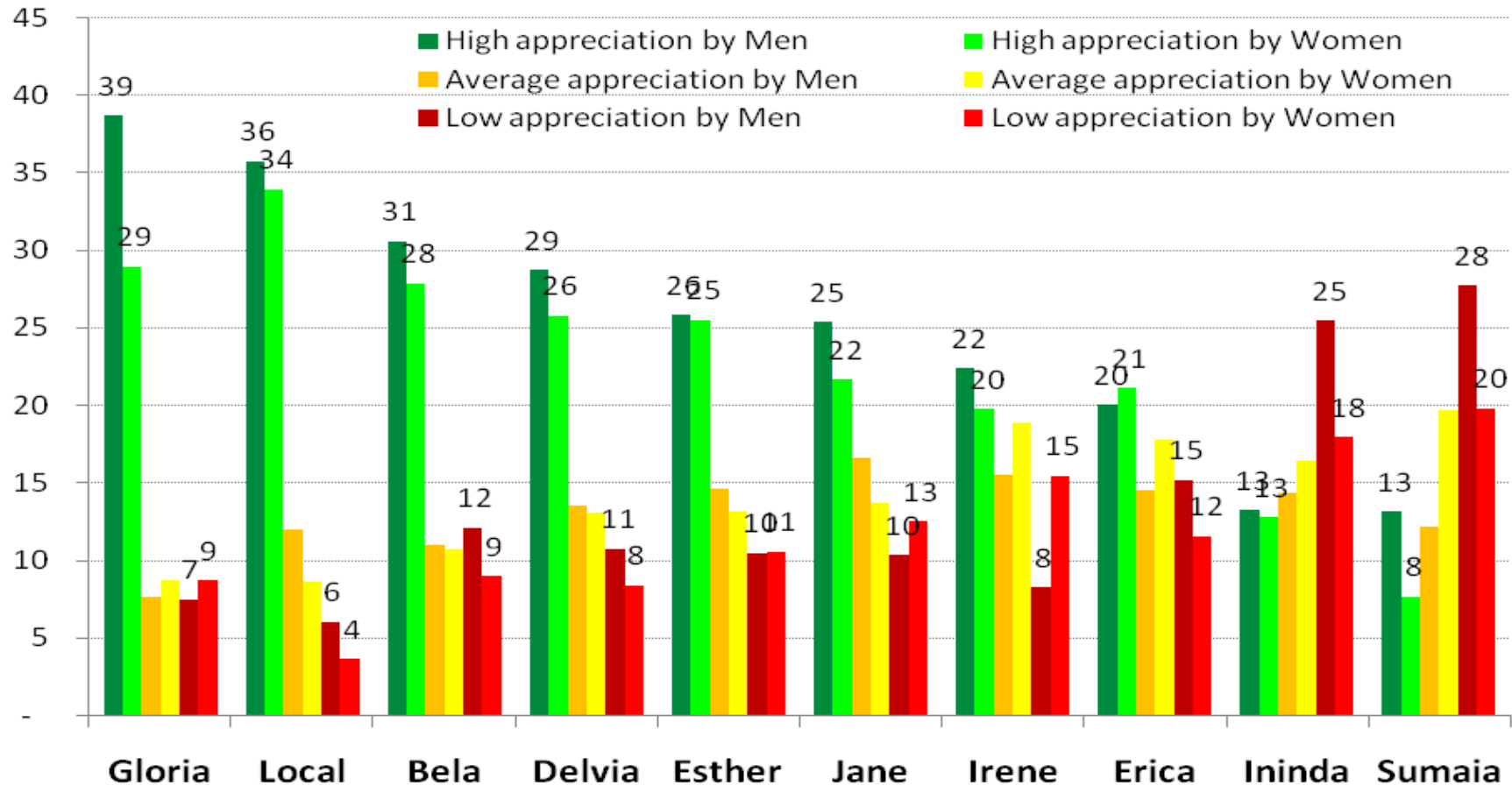
Harvest period: 27/05/2013 to 08/07/2013 (41 days)

Total participants : 1,234 – Men = 615 & Women = 619

General Appreciation level on leaf & root taste test of ten (10) varieties across 33 sites by gender in %

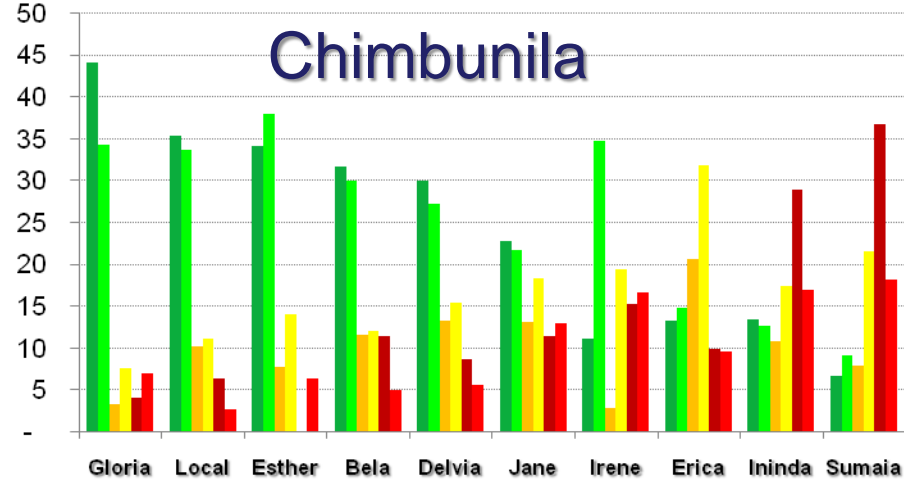


Appreciation level of ten (10) varieties across 33 sites by gender in %

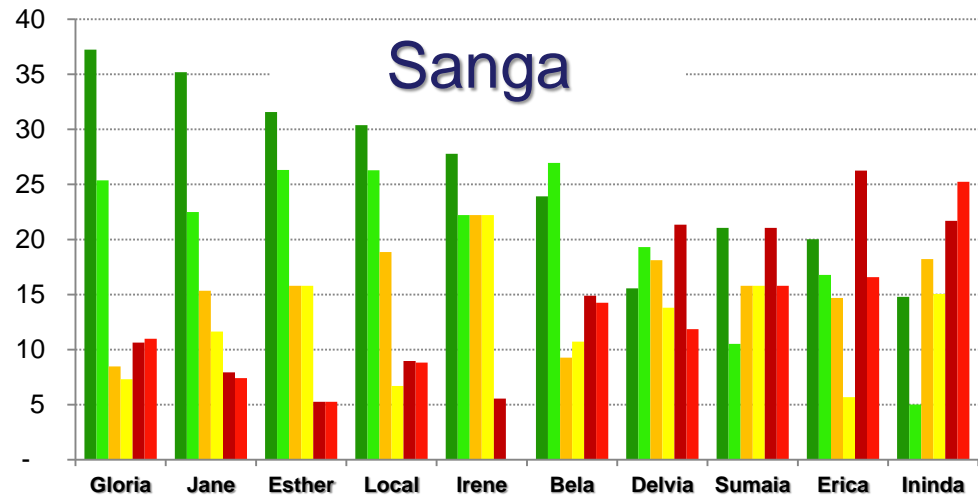


Root taste appreciation level of ten (10) varieties in each District by gender in %

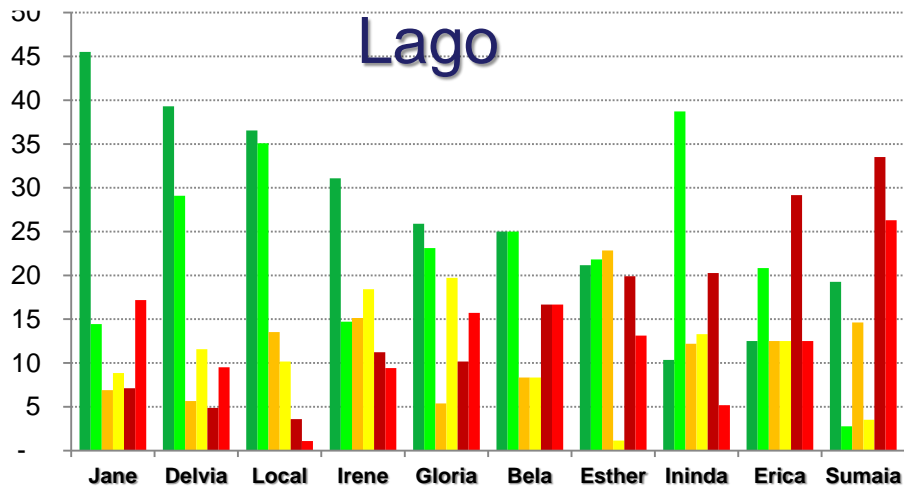
Chimbunila



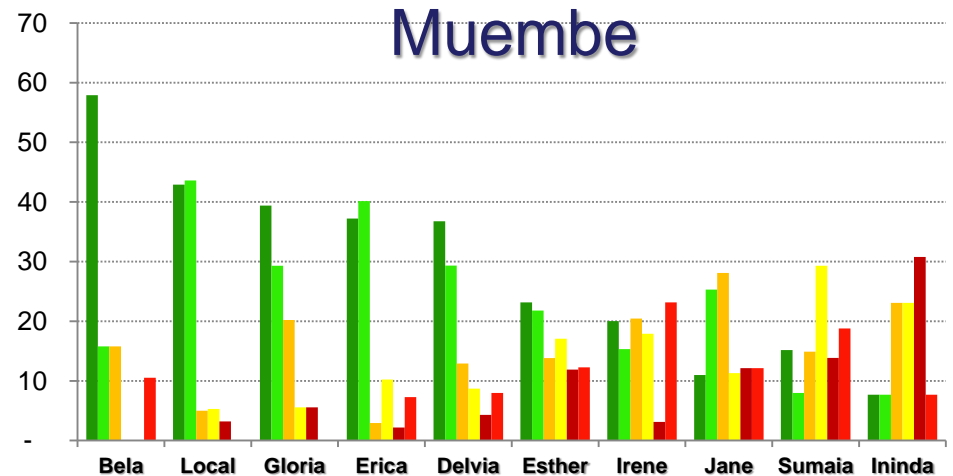
Sanga



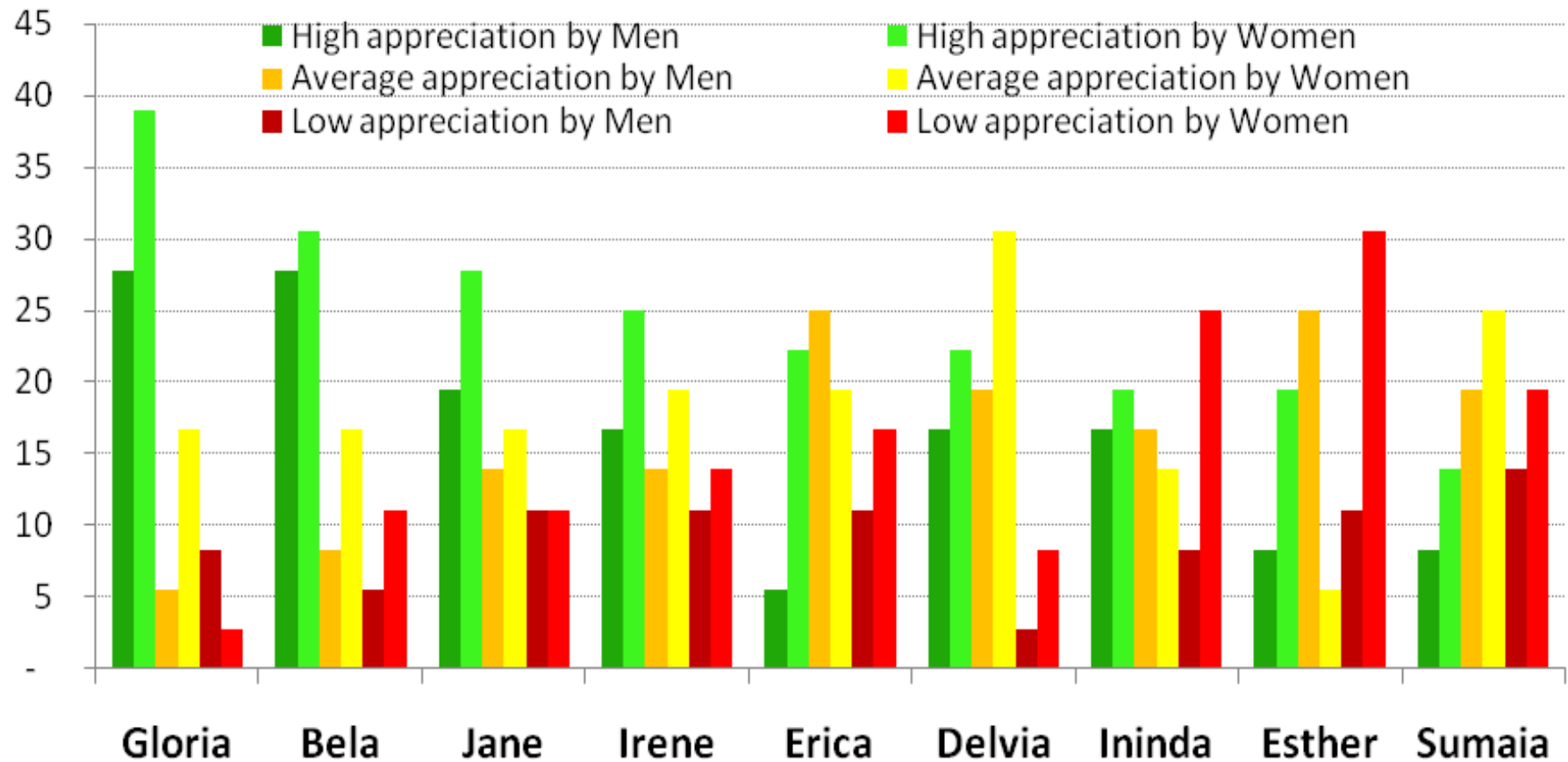
Lago



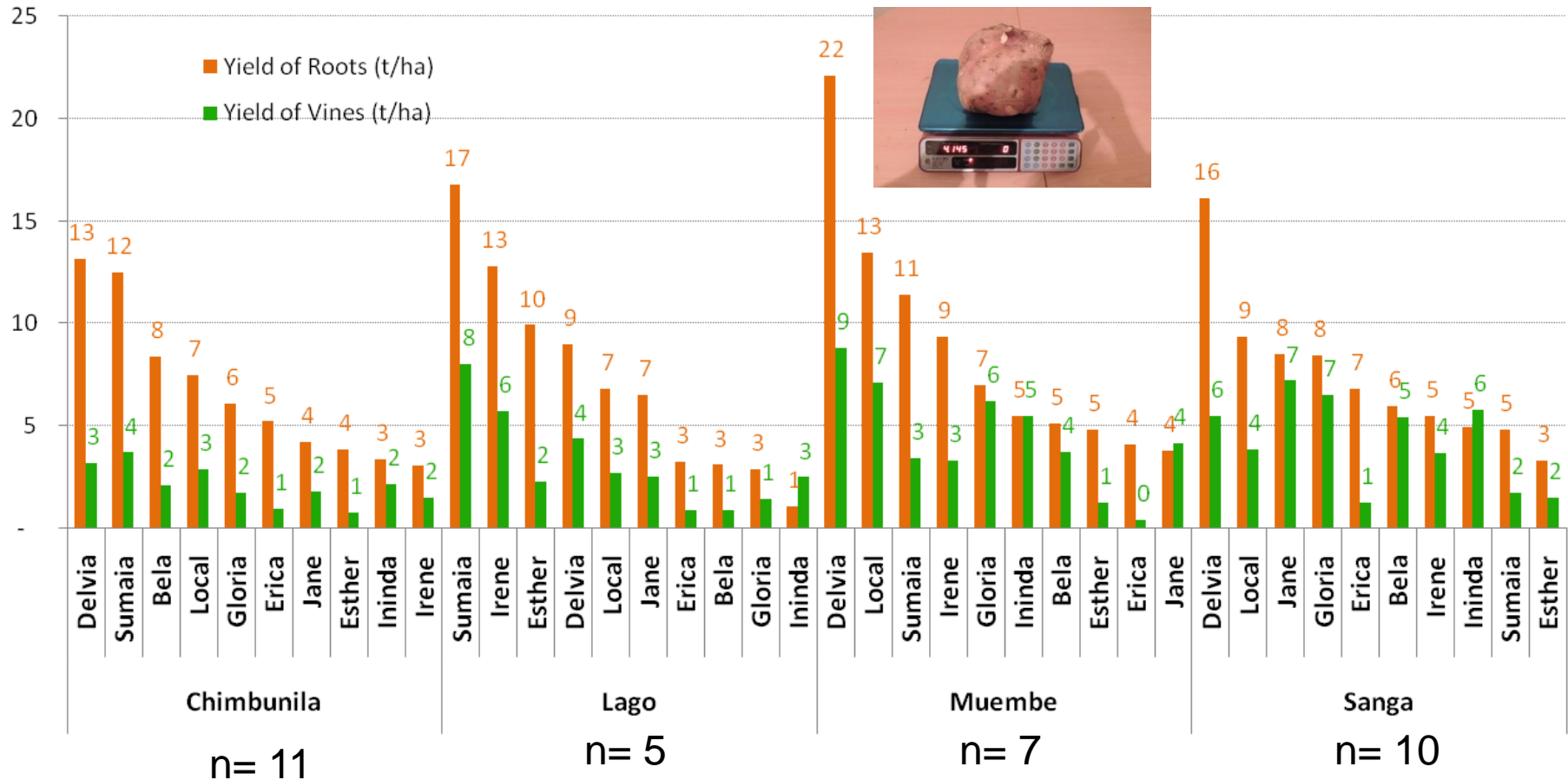
Muembe



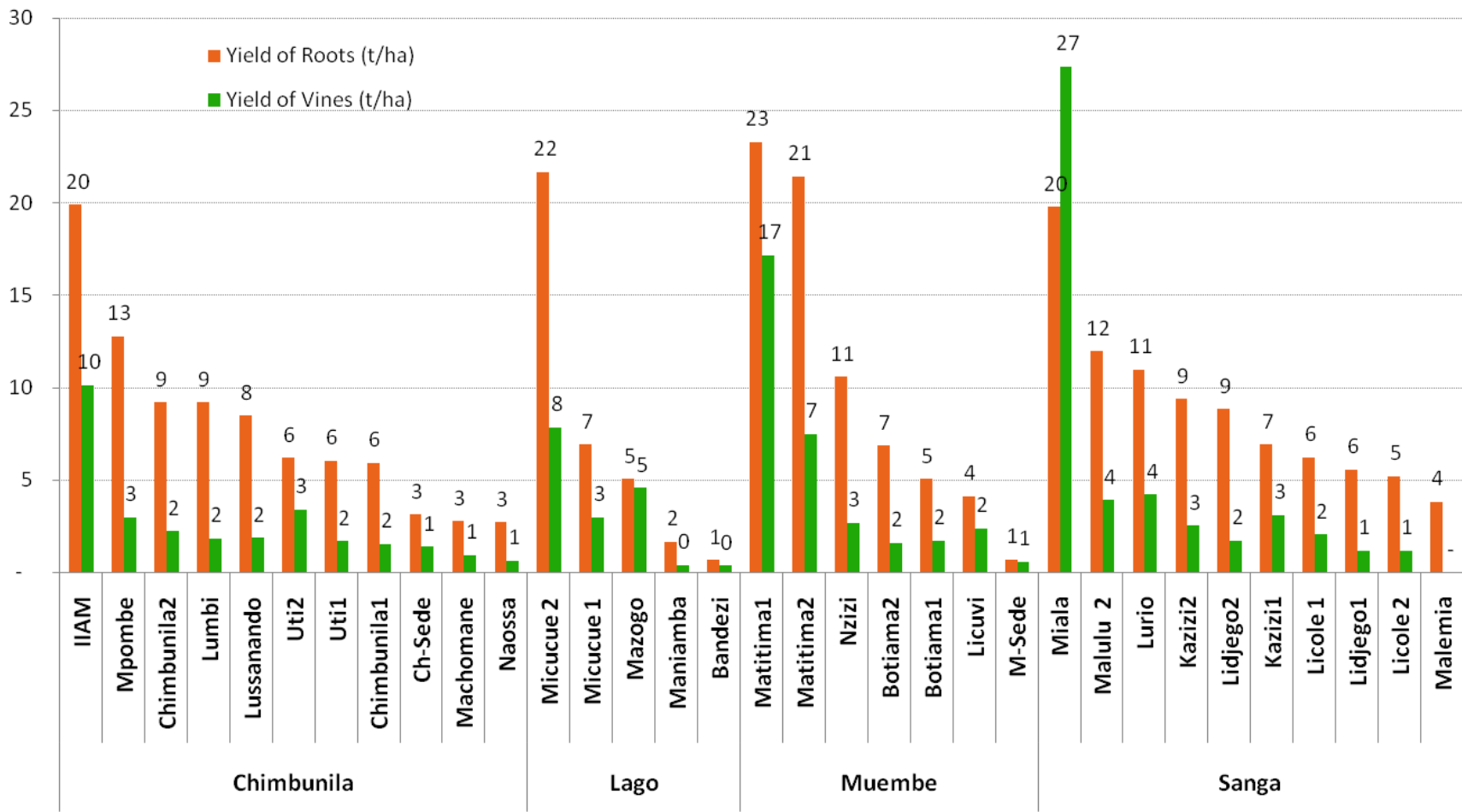
Root appreciation level of nine (9) varieties for use in Golden Bread, Juice and Biscuit by gender in %



Means of Yields on Roots & Vines for ten (10) varieties in Four Districts (t/ha)



Means of Yields on Roots & Vines per site of 33 sites in Four Districts (t/ha)



5. Challenges



Molds



Goats & others



Robber (isolated)



Erosion



Weed control

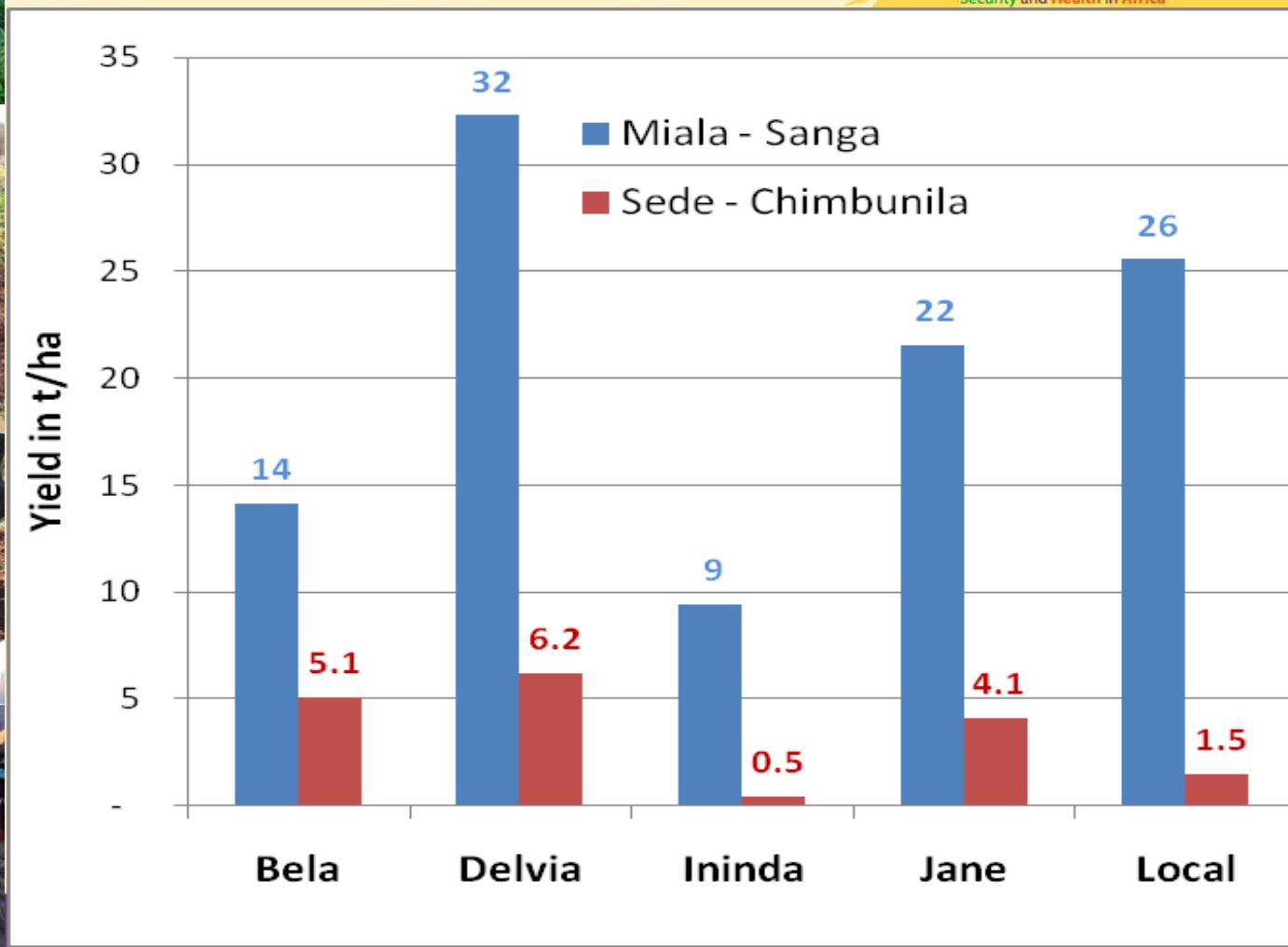


Weevils

Soil fertility & Production system

Field reality







5. Opportunities



The way forward

1. Dissemination campaign for 4,400 HHs from 16th October 2013
2. Integration into literacy program
3. Training on On-Farm Trials, Vine multiplications, Compost production at district levels
4. On-Farm trials on 30 sites in South Province from December 2013
5. Vines multiplication in South Province from January 2013
6. Multi location Trials for 3 groups at IIAM
7. Early planting from April 2014 for lowland multiplication



Medaase

*Thank you for your
attention*

Merci beaucoup



Obrigado

Asante

Misaotra betsaka