KARI IMAS ACHIEVEMENTS DURING YEAR 2011
IMAS ANNUAL GENERAL MEETING 28TH FEB.TO 2ND MARCH,HARARE, ZIMBABWE

Prepared by D.O Ligeyo and KARI IMAS Team
INTRODUCTION

- KARI centres involved in development and dissemination of NUE varieties include: Kitale, Kakamega, Embu, NARL, Biotech. Centre and HQS.
Objective 3: Delivery of transgenetic varieties with yield increased under severe N-limitation

- CFT sites selected – Bukura, Kitale
- Decision to drop Bukura during IMAS field tour – Due to conditions of use for transgenics
- Bukura site to be developed as a low N site
- Kiboko suggested as an alternate CFT site for IMAS
Proposed Kiboko CFT site

- Adequate land available
- Issues of isolation from existing WEMA CFTs
- Problem of source of water for irrigation
- What next?
  - Consultation with KARI Kiboko centre management
  - Consultation with WEMA and DTMA coordinators (KARI and CIMMYT)
Objective 3: Delivery of transgenetic varieties with yield increased under severe N-limited conditions

- Soil sampling done at both Kitale and Bukura CFT prior to planting

- 1st planting of Seredo sorghum at Bukura was done between 12th and 13th April 2011 and harvesting was done on 19th and 20th Sept. 2011.
Objective 3 Cont’d

- 2\textsuperscript{nd} planting of seredo sorhum at Bukura was done on 9\textsuperscript{th} and 10\textsuperscript{th} Nov. 2011.
- The crop is yet to be harvested.
- 1\textsuperscript{st} planting of Seredo sorghum at Kitale was done on 7/5/11 and harvesting was done on 15\textsuperscript{th} and 16\textsuperscript{th} Nov. 2011.
NDVI data collection at KARI Kitale and Bukura CFT sites
Monitoring visit to KARI Kitale CFT field
Sorghum for depletion at Bukura CFT field
Second season depletion crop at Bukura CFT site in February 2012
Objective 5: project management, public awareness and capacity building

- 5.1 project management, coordination, monitoring and evaluation
  - Visit by Dr Prassana Buddopali from CIMMYT to the IMAS project at Kitale to assess the progress on 19/5/11
  - Dr. Ligeyo attended a molecular breeding training and workshop at Wageningen, Netherlands between 6\textsuperscript{th} and 10\textsuperscript{th} June 2011.
  - Field monitoring by IMAS team from KARI Kenya, CIMMYT Mexico, ARC, CIMMYT Kenya, CIMMYT Zimbabwe and ministry of Agriculture between 22\textsuperscript{nd} and 25\textsuperscript{th} Aug. 2011
Dr. Biswanath Das explains a point during a monitoring visit by CIMMYT director, Dr. Prassana at KARI Kitale confined field trial site.
Dr. Omari Odongo KARI Kitale centre director and IMAS team member explains to CIMMYT director about the test cross evaluation trial at KARI Kitale.
Visit by IMAS team to KARI Kiboko field site
Objective 5 cont’d

• Dr. Ligeyo and Dr. Kwena visited Pioneer laboratories and field experiments at Welington in Delaware state and Woodland in California state between 28th August and 3rd September 2011.

• Dr. Ligeyo attended a molecular breeding and training workshop organized by GCP, USDA, EMBRAPA and Cornell university at BECA in Nairobi between 15th and 18th Nov. 2011
Visit to pioneer by KARI and ARC team
Molecular Breeding workshop at BECA Nairobi
KARI- Kitale IMAS team during the handing over of the new IMAS vehicle
KARI-Kitale Centre Director Dr Omari Odongo handing over the keys to the KARI-IMAS project coordinator, Dr Dickson Ligeyo.
Way forward

- Develop more MARS Populations
- Continue Agronomic Trials (0, 40, 80, 120)
- Continue Depletion and testing in low N fields
- Monitor Changes in nutrient content in depletion sites
- Human capacity development
THANK YOU