Kitale KSU Achievements
2013/14

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Presented during annual KSU workshop in Naivasha 15th to 20th December 2014.
Objectives

- To increase breeder, prebasic and basic seed of new and old hybrids for supply to interested seed merchants.
- To increase breeder, prebasic and basic seed of ley grasses and fodder legumes.
- To produce certified seed of maize and pasture which are licensed on non-exclusive terms.
- To multiply sweet potato planting materials to supply to farmers.
Justification

- KALRO Kitale has released fourteen improved varieties.
- After liberalization of the seed sector in 1996, over 70 seed companies that demand breeder seed from KALRO have come up.
- To avail good quality breeder seed to these seed companies, KALRO started producing breeder seed.
- KALRO Kitale KSU also produces certified seed of pasture and fodder legumes.
The main activities being undertaken include Maize, Pasture and legume production and sweet potato vine production.
• KALRO Kitale produced 435kg of R11C10 at perkerra, 553kg of R12C10 at Kibwezi, 450kg inbred A in Meru, 655kg of inbred F at Perkerra and 800kg of R11C10 at Kitale

• This quantity 2,893 kg at 1000 = 2,893,000. Farmers got Ksh. 100/kg =289,300
# Seed Sales and Stocks 2014

<table>
<thead>
<tr>
<th>MONTH</th>
<th>GENERATED</th>
<th>EXPENDITURE</th>
<th>STOCK</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>1,400</td>
<td></td>
<td>Rhode grass seed-300kg@ Ksh600</td>
<td>180,000</td>
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<tr>
<td>February</td>
<td>6,700</td>
<td></td>
<td>R12C10-553kg@ Ksh1,000</td>
<td>553,000</td>
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<tr>
<td>March</td>
<td>201,810</td>
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<td>Inbred F 655kg@ Ksh1,000</td>
<td>655,000</td>
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<tr>
<td>April</td>
<td>68,260</td>
<td></td>
<td>Inbred A 450kg@ Ksh1,000</td>
<td>450,000</td>
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<tr>
<td>May</td>
<td>51,890</td>
<td>165,030</td>
<td>R11C10-1,235kg@ Ksh1,000</td>
<td>1,235,000</td>
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<tr>
<td>June</td>
<td>316,855</td>
<td>158,000</td>
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<td>July</td>
<td>477,045</td>
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<tr>
<td>August</td>
<td>37,360</td>
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<tr>
<td>September</td>
<td>66,390</td>
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<tr>
<td>October</td>
<td>58,374</td>
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<tr>
<td>November</td>
<td>103,355</td>
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<tr>
<td>December</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>1,389,639</strong></td>
<td><strong>323,030</strong></td>
<td><strong>Total</strong></td>
<td><strong>3,073,000</strong></td>
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R11C10 prebasic seed for planting at KALRO Perkerra
• Planting of 36 acres of KH600-11D at Perkerra was done in April.
• The crop was rejected by KEPHIS towards the end of July.
36 acres of KH600-11D destroyed by MLN at Perkerra
Dr Omari Odongo and his team during a monitoring visit to Breeder seed of R11C10 at KARI Perkerra in February 2014.
Dr Dickson Ligeyo with KARI technicians during a monitoring visit of one acre of R11C10 breeder seed at KARI Perkerra in March 2014
Cob selection of R11C10 at KALRO Perkerra on 23/4/14
KEPHIS inspectors during cob inspection of R11C10 at KARI Perkerra
R11C10 cobs after inspection by KEPHIS at KARI Perkerra
Mr. David Kenya assisting in packing breeder seed of R11C10 at KARI Perkerrra.
Inbred A

MAIZE
VAR: INBRED A.
COB-OBSERVATION
8 COB BAGS.
MERU.

19.9-2013
R11C10 harvested at KALRO Kitale
R12C10 in Kibwezi, Nov. 2014
KH600-11D planted for a farmers field day at Arwos, Kapsabet
Dr. Dickson Ligeyo shows the cabinet secretary for agriculture, livestock and fisheries through the maize variety demonstration plots during a field day at Arwos, Kapsabet-23/9/14.
• Maize Lethal Necrosis is now in most of our seed multiplication and production sites
Dr Omari Odongo and a CIMMYT technician stands near one of the good performing KALRO Kitale material EH13275 under artificial inoculation with MLN at KALRO Naivasha
PASTURES AND FODDER LEGUMES

• The pasture grasses and forage legumes include Boma Rhodes, Silver leaf desmodium and Green leaf desmodium
• 5 acres of Boma Rhodes have been planted for prebasic seed production.
• 2 acres of green leaf desmodium planted for seed production
SWEET POTATOES

• The varieties planted include, Kabonde, Vitaa, SPK004, Nyawo, SPK013, Wera, Mugande, Salboo and Toilo
5 acres of dual purpose sweet potato was planted in April 2014.

- Vines have been sold to 1510 farmers in Transnzoia district, 1130 farmers in West Pokot district, 925 farmers in Mt. Elgon district, 1220 farmers in Eldoret show and 1020 farmers in ASK Kitale show. Vines worth Ksh. 326,000 have been sold
Dual purpose sweet potato
Farmers collecting vines
Tuber Harvesting