Seed Enterprise Management Institute (SEMI) International Training on Seed Drying, Processing and Storage

Date: May 28-02 June 2012

Professor Agnes Mwang’ombe
Overall Goal
• Eradication of food and nutrition insecurity through capacity building of seed actors for improved seed systems to better deliver high quality seeds to small scale farmers.

Objectives
1. To produce seed production and marketing management expertise for the seed industry in SSA
2. To train seed industry practitioners on the best practices to efficiently produce adequate high quality seed to meet farmers demand at affordable prices.
3. To enhance production of seed of improved varieties by seed industry stakeholders to meet the planting material requirements of the SSA Region
4. To strengthen the capacity of the SSA Region to train on seed production and marketing management strategies.
5. Develop a regional capacity to facilitate information sharing on seed issues and related disciplines throughout Sub-Saharan Africa.
Growing the Seed Industry in Africa
Courses Offered at SEMIs

2010
- Seed production
- Seed Drying, processing and Storage
- Seed Business Management
- Seed marketing
- Seed quality assurance
- Seed legislation and accreditation

2011
- Seed Production
- Seed Drying, Processing and Storage
- Seed business Management
- Seed Marketing
- Seed Quality Assurance and Seed Enterprise quality Management

Courses Provide the most crucial aspects of seed in the value chain
SEMIs Participants/Trainees

Future direction:

- Self sustenance of the project through Self-sponsored courses
- Interests indicated from:
  - Group from Ethiopia
  - Group from FAO-Sierra Leone
  - Seed Companies from Nigeria, Malawi
  - Kenya seed company
  - Other Interested groups dealing with seed

Popularity of Courses has attracted a lot of Interest from seed companies not under AGRA funding
### Summary of SEMIs courses in 2011:

<table>
<thead>
<tr>
<th>COURSE</th>
<th>COUNTRIES</th>
<th>NO. OF SEED COMPANIES/ORGANIZATIONS</th>
<th>NO. OF PARTICIPANTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed Production</td>
<td>12</td>
<td>29</td>
<td>28</td>
</tr>
<tr>
<td>Seed Drying, processing and Storage</td>
<td>12</td>
<td>30</td>
<td>28</td>
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<tr>
<td>Seed Business Management</td>
<td>12</td>
<td>29</td>
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<td>Seed Marketing</td>
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<td>28</td>
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<td>Seed Quality Assurance</td>
<td>13</td>
<td>30</td>
<td>27</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
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<td><strong>135</strong></td>
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SEMIs-providing Seed Experts for Africa

2010
- Seed company Personnel-172
- Seed companies trained >30
- No. of countries-13

2011
- Seed companies personnel-132
- Seed companies trained>35
- No. of countries-15

More wider coverage of countries-cover the whole of Africa
More seed companies to benefit
More seed Personnel to be trained-through the self-sponsorship programme
Highest Quality trainers:

- Seed Drying processing and Storage: - Dr. Shyy (ISU), Dr. Gitau (UON), KARI, Personnel from Seed companies

Others: CIMMYT, AGRA consultants, Seed companies, Professionals from reputable Institutions, ETC
SEMIs is Producing Both Field and Laboratory experts in seed technology and Business

Jimmy Mpairwa - CEO and Business manager at FICA Seeds Uganda

Seed quality classes at UON Laboratory
Other Activities of SEMIs:

Breeders Bean production of Popular production

Varieties:
- Meizi mbili
- Kenya Wonder
- Kenya Red Kidney
- Kabete Super
- Kenya Sugar Bean
- Super Rosecocco
Bean Production at CAVs contd.

Inspection and Roguing with KEPHIS staff at CAVS

Newly Opened up fields at CAVS

New Field planted with Kenya Red Kidney
SEMI's Infrastructure Dvpt:

Modern Seed laboratory and Seed Processing facility being constructed at CAVS with SEMI's funds

• 1st Phase of construction for a seed processing unit already underway at CAVS:
  • Modern seed processing unit to process seed from Uniseed and from outlying seed companies
Participation in International Fora:

- Congresses and Conferences
- Trainers of Trainers (TOT) – ISU
- More Advertisement of SEMIs
- Linkages with Seed trade Associations - STAK, AFSTA

President of Zanzibar at the SEMI stand at the AFSTA Congress in March 2012

Regular Workshops to improve relevance of curricula to the seed industry
Highlights ..

Experiential training - Visit to the seed industry

Training on Finance and capital Acquisition:
- Root capital and ASIF funding
Experts at SEMIs
Challenge!

..."You are seed producers and there is still hunger in Africa..."?

Dr. Julius Kipng’etich - Director, Kenya Wildlife Services (KWS)

Changing trends...

"as I move across Africa, I see African Farmers have changed their strategy to improved seed"

Dr. Joe DeVries - Director, PASS
Highlights...

CEO’s of seed Companies-Seed Business Management participants in 2011
Visiting the seed industry - Visit to SIMLAW seeds

Certification upon Graduation
Seed Production

Seed Laboratory at CAVS

Observing a bean seed crop at CAVS
Comments from Participants:

"I like every topic we did in this course especially the seed certification and destaselling."
Anonymous

"Previously I did not know how to project seed requirements and co-ordinate backwards for procurement of basic, pre-basic seed..." Now I know"
Mr Omari Mduruma-
Aminata seed company Tanzania

"The knowledge I have acquired through the course will be highly valued not only in our seed company but in the whole of Zambia"
Dorica Banda
Indigenous seed company Zambia
“Counterfeit seed in the market is one of the major challenges we face in Uganda as counterfeit seed goes for a lower price. We thus face great challenges in marketing our seed. Farmers should be educated on the benefits of certified seed ...”

Kawooya Ronald, Pearl seed Uganda

I believe if farmers were more aware of the benefits of using hybrid seed, their would be increased demand and thus government would allow seed multipliers to acquire seed elsewhere”

Mrs Hadia, Hadia seeds Ethiopia
SEMIs Website:  
www.semis-africa.org

- Sharing information on seed issues, current happenings in the seed industry in Africa
- Staying in touch with SEMIs participants
- Online registration of Students
Seed production 2012

Visit to the KARI Njoro Seed Unit - Stem Rust Research

Variety Testing fields at KEPHIS Lanet

Outgrower field for hybrid seed production
Thank you for your attention

SEMIs-Helping Africa Smell the Green Revolution!!