



UNIVERSITY OF NAIROBI

IOWA STATE UNIVERSITY



SEED ENTERPRISE MANAGEMENT INSTITUTE (SEMIS)

OVERVIEW OF SEMIS TRAINING MODULES

6th April 2016

Prof. Agnes W. Mwang'ombe, EBS, Prof. F. Olubayo, D. Wasonga

Project Implementation

Alliance for a Green Revolution in Africa-AGRA

Phase 1: 3 years (2010-2013), Phase 2-2014-2016

Institutions

University of Nairobi

PI: Prof. A.W. Mwang'ombe' EBS

Management: Prof. F. Olubayo

Daniel Wasonga –Project Manager, Florence Kiwunja-Admin. Asst., Sylvester

Kimaiyo – Factory Manager

CIMMYT:

Dr. John
MacRobert
(Author-Seed
Business Mgt In
Africa)

4/11/2016

KEPHIS:

DR. Esther
Kimani – Ag.
Director KEPHIS
Mr. Simeon
Kibet

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KALRO:

Dr. Teresio
Riungu and
Dr. Lawrence
Ragwa

Consultants

Aline O'Connor
Funk
Paul Seaward
Paul Okete

ISU

Dr. Misra
Dr. Y. Shyy
Dr. Joe Cortes
Dr. Mike Stahr

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SEED ENTERPRISE MANAGEMENT INSTITUTE (SEMIs)

Overall Goal

- Eradication of food and nutrition insecurity through capacity building of seed actors .
 - quality seed
 - affordable seed

Objectives:

1. To produce seed production and marketing management expertise in SSA region
2. To train seed industry practitioners on the best practices to efficiently produce adequate high quality seed for farmers.



- 3.To enhance production of seed of improved varieties for the SSA
 - Efficient production
 - Marketing
 - Good distribution

4. To strengthen the capacity of the SSA region to train on seed production and marketing management strategies
 - Enhanced technology

- 5.To develop a regional capacity to facilitate information sharing on seed issues and related disciplines in SSA.³

SEMI_s PARTNERSHIPS



agra-alliance.org



cimmyt.org



kephis.org



uonbi.ac.ke



iastate.edu



kenyaseed.com

SEMs In Africa

MALI

	2010	2011	Total
Seed Companies/Institutions	3	2	5
Trained Personnel	8	3	11

NIGER

	2010	2011	Total
Seed Companies/Institutions	4	4	8
Trained Personnel	8	15	23

BURKINA FASO

	2010	2011	Total
Seed Companies/Institutions	3	2	5
Trained Personnel	5	4	9

ETHIOPIA

	2010	2011	Total
Seed Companies/Institutions	5	4	9
Trained Personnel	14	17	31

SIERRA LEONE

	2010	2011	Total
Seed Companies/Institutions	3	3	6
Trained Personnel	10	10	20

UGANDA

	2010	2011	Total
Seed Companies/Institutions	8	3	11
Trained Personnel	17	9	26

LIBERIA

	2010	2011	Total
Seed Companies/Institutions	2	2	4
Trained Personnel	10	10	20

KENYA

	2010	2011	Total
Seed Companies/Institutions	7	2	9
Trained Personnel	19	4	23

GHANA

	2010	2011	Total
Seed Companies/Institutions	7	3	10
Trained Personnel	16	12	28

RWANDA

	2010	2011	Total
Seed Companies/Institutions	2	1	3
Trained Personnel	5	5	10

NIGERIA

	2010	2011	Total
Seed Companies/Institutions	8	2	10
Trained Personnel	23	4	27

TANZANIA

	2010	2011	Total
Seed Companies/Institutions	7	5	12
Trained Personnel	17	23	40

ZAMBIA

	2010	2011	Total
Seed Companies/Institutions	4	1	5
Trained Personnel	17	5	22

MALAWI

	2010	2011	Total
Seed Companies/Institutions	5	2	7
Trained Personnel	12	7	19

MOZAMBIQUE

	2010	2011	Total
Seed Companies/Institutions	5	4	9
Trained Personnel	10	17	27

Growing the Seed Industry in Africa



SEED COURSES



CURRICULA REVIEW MEETINGS

PHASE I



CONSTRUCTION-SEED PROCESSING FACTORY

4/11/2016



PARTICIPATION IN EXHIBITION AND CONFERENCES

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FIELD PRACTICALS



BREEDER BEAN PRODUCTION

SEMIs COURSES AT UON

Short term courses

- I. Seed Production
- II. Seed drying processing and storage
- III. Seed marketing
- IV. Seed Business Mgt.
- V. Seed Quality assurance and Seed Enterprise Quality Management
- VI. Seed Production and Field Pests Diagnostics
- VII. National Plant Protection Organizations (NPPO)

Long Term courses

Curriculum already in place for:

- I. Certificate-Seed Technology and Business
- II. Diploma -Seed Technology and Business
- III. Post-graduate Diploma-Seed Technology and Business
- IV. MSc.-Seed Technology and Business Mngt.

- 10 students currently enrolled for MSc. Seed Technology and Business Mngt.

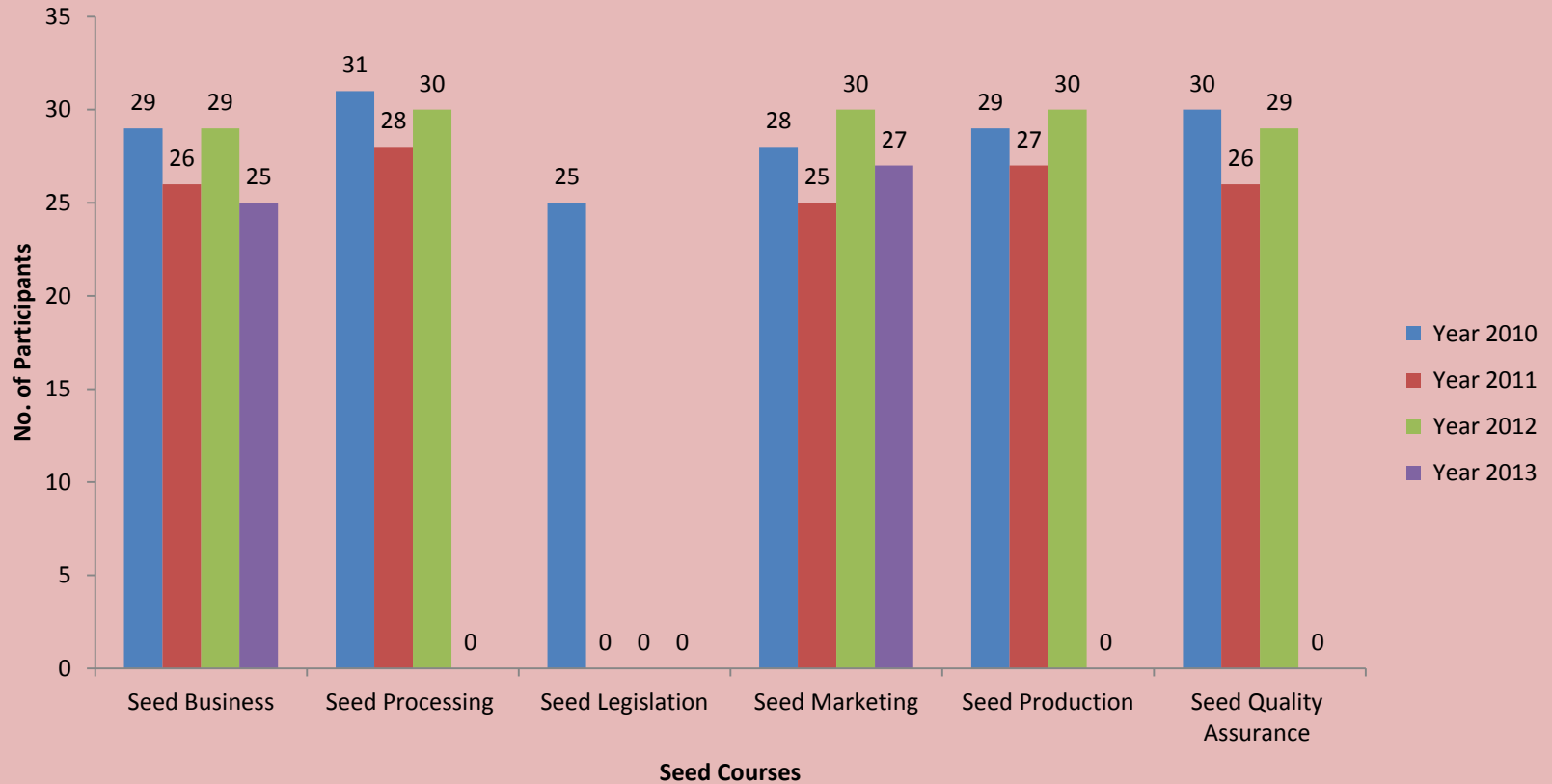
SEMIs group photo during a training session at UoN

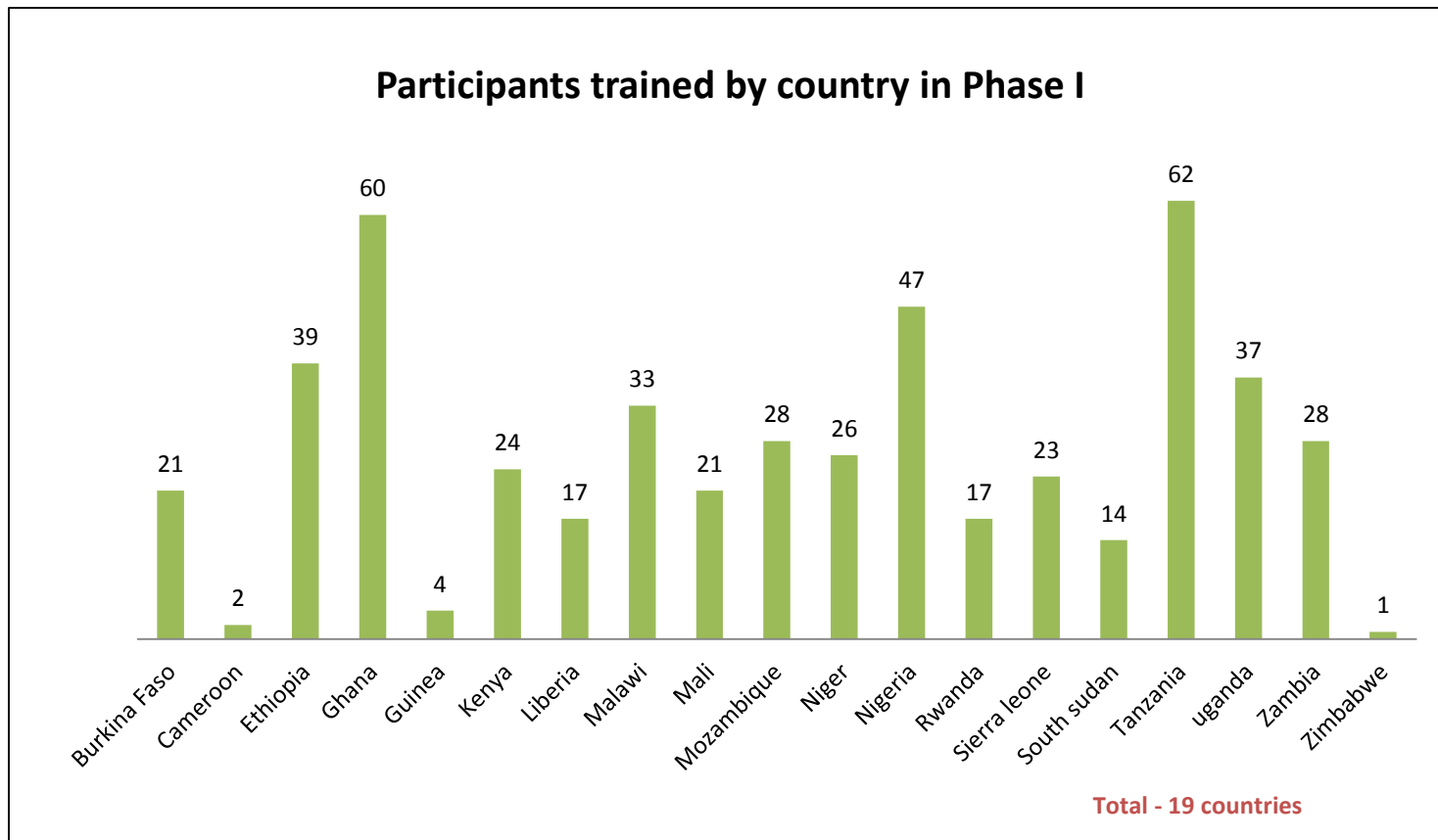


SUMMARY OF TRAINED PERSONNEL IN PHASE I AND II

Course	Phase I (2010 -2013)					Phase II (2014 -2016)		
	2010	2011	2012	2013	Total Per Course	2014	2015	Total Per Course
Seed Production	29	27	30	0	86	23	26	49
Seed Drying Processing and Storage	31	28	30	0	89	23	25	48
Seed Business Management	29	26	29	25	109	19	30	49
Seed Marketing	28	25	30	27	110	20	31	51
Seed Legislation and Accreditation	25	0	0	0	25	0	0	0
Seed Quality Assurance	30	26	29	0	85	19	30	49
NPPOs	0	0	0	0	0	21	23	44
Seed Production Field Diagnostics	0	0	0	0	0	18	24	42
Total (Yearly)	172	132	148	52	504	143	219	362
							Total	866

Participants per course trained under Phase I





➤ 504 personnel from 143 Seed Companies trained



Seed Courses



PHASE II



Seed Processing Factory



Service to Elgon Kenya



Conferences and Exhibition

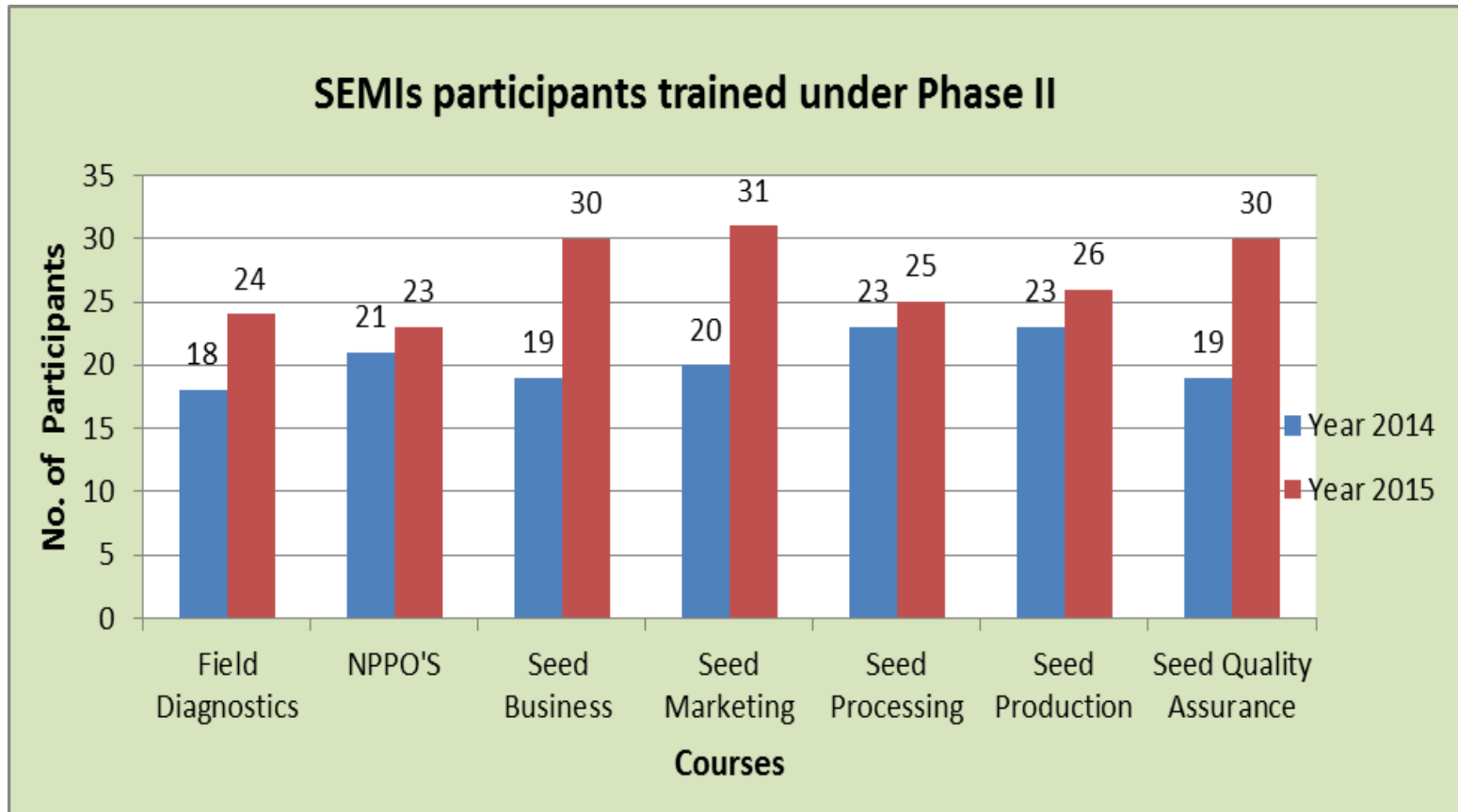


Bean production

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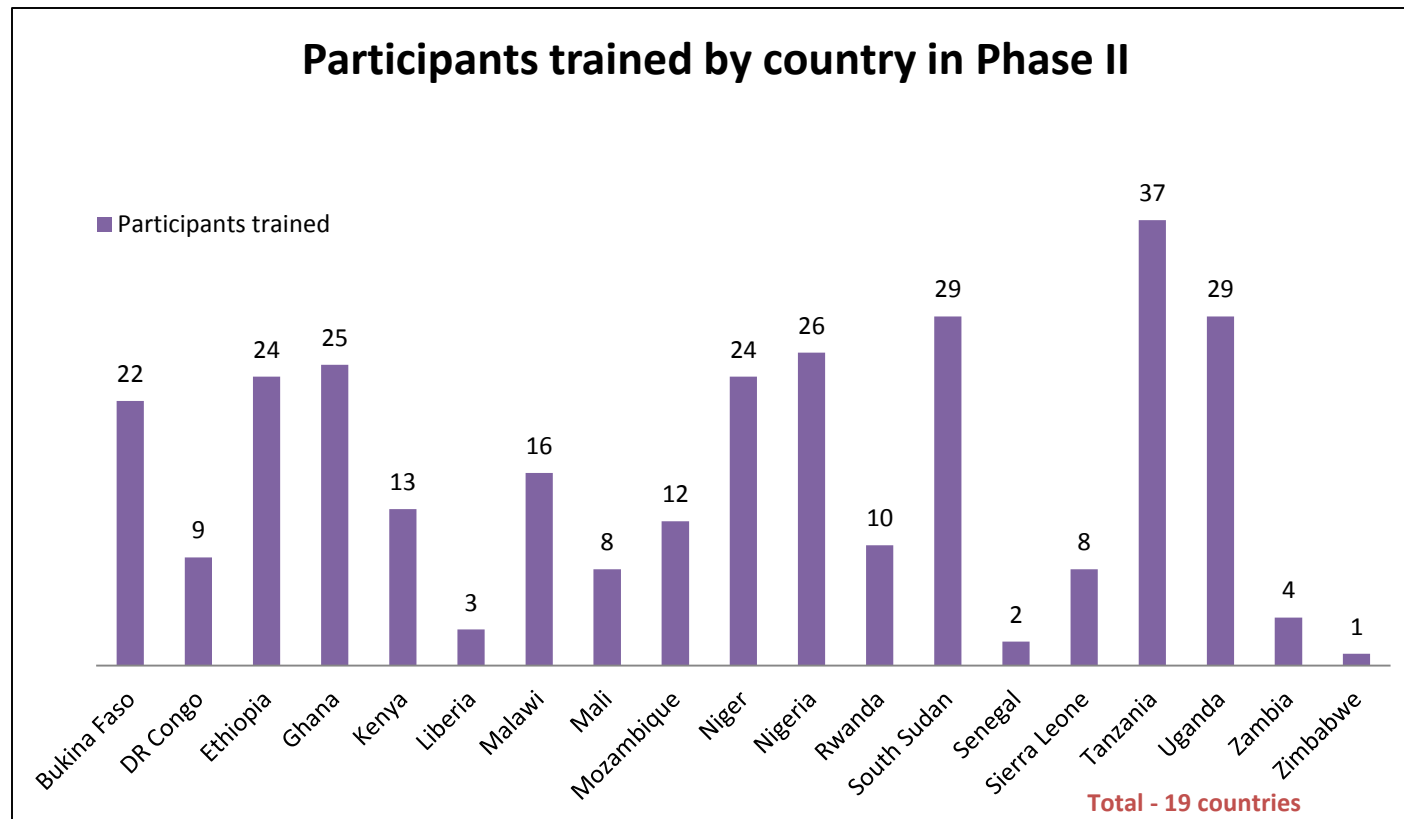
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Trained personnel under SEMIs Phase II



- **Total 362 persons trained from 114 Seed Companies/ Institutes**

Participants trained by country in Phase II





KEPHIS LANET

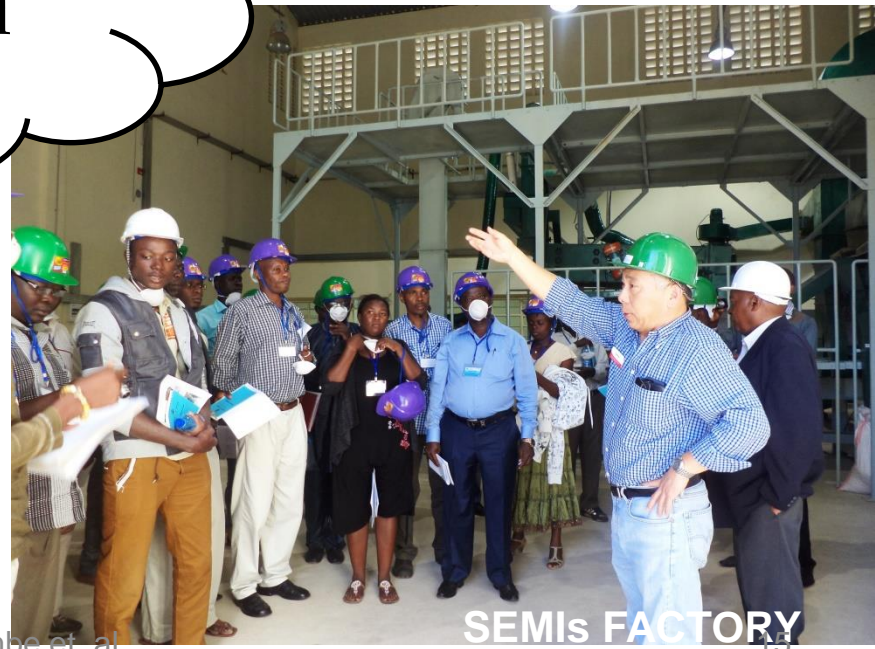


SIMLAW SEEDS

**Field and
Practical
sessions**



TISSUE CULTURE LAB



SEMI'S FACTORY

SEMIs SEED PROCESSING FACTORY

- Comprises of air-screen cleaner, gravity separator, seed coating machine and packaging machine.
- Seed Processing capacity 5t/hr
- **UoN signs annual agreements for seeds processing.**



Seed processing machines



4/11/2016

Main control panel



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Corn Sheller



Sewing machine



LABORATORY CONSTRUCTION

- Construction of seed laboratories is complete
- Equipping Labs ongoing



Provision of foundation seed

“Seed companies all over Africa indicate that foundation/breeder seed availability and access is a major contributor to low seed production” in the continent.

Varieties:

- Meizi mbili
- Kenya Wonder
- Kenya Red Kidney
- Kabete Super
- Kenya Sugar Bean
- Super Rosecocco



Presentation of White label breeder seed by Prof. A. W. Mwangombe to Simlaw Seed Company CEO. Mr. Azaria Soi at a ceremony at CAVS

White label seed produced at SEMIs

Year	Tonnage	Variety
2014	4.3	Kenya Red Kidney, Meizi Mbili, Kabete Super, Kenya Wonder



Participation in National and Regional Workshops and Meetings on Seed Issues



Exhibitions/conferences	Year
FARA Meeting	2011
KARI congress	2012
STAK congress	2013
ASK Show	2014
AGRF	2015
AFSTA Congress	2016



Seed Enterprise Management Institute (SEMI) in Francophone West Africa

- (SEMI) conducts ToT workshop in Mbour, Senegal.
- USAID has provided support to ENSA, Thies University to host SEMI for capacity building for small seed companies in Senegal.
- Other participating seed companies will be from Mali, Niger and Burkina Faso.

Seed Enterprise Management Institute (SEMI)s in Francophone West Africa

- ToT workshop trainers were
 - Prof. Agnes W. Mwang'ombe (PS &CP), UoN
 - Prof. Evans Aosa (Business School), UoN
 - Prof. Florence Olubayo (PS &CP), UoN
 - Prof. Justus Munyoki (Business School), UoN and
 - Dr. Lawrence Ragwa (KALRO).
- Dates:14-18th March 2016

ToT Workshop focused the listed course modules

- 1. Seed production and associated Crop Pests.
- 2. Seed Business Management
- 3. Seed Marketing
- 4. Seed processing, drying and storage.

Seed Enterprise Management Institute (SEMI) in Francophone West Africa



Field trip: Tool Baye Seed Company in Kaolack, Senegal



SEMIs Website:

www.semis-africa.org

semis-africa.org

Most Visited Getting Started Latest Headlines

Seed Enterprise Management Institute Customize 0 + New

Beans Advert

SEMIs Offices and Laboratories Inspected for completion
University of Nairobi, Department of Plant Science led by Chairman Prof. George Chemining'wa, SEMIs PI Prof. Agnes Mwang'ombe and Iowa University visiting scientist Dr. Yuan Shyy alongside other Department staff held an inspection tour on SEMIs offices and laboratories which are under construction.

Search

Latest Adverts

Sale of High Quality Beans

Upcoming Events

There are no upcoming events.

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

Certification Ceremony : Dr. Ngongi-1st AGRA President



Certification Ceremony :In Kenya & Senegal



Rewarding our Participants with certificates at the end of each course motivates them to be better “seed men/women”



Thank You!

