

ANNUAL REPORT DEPARTMENT OF FIELD STATION 2013/2014

The Field Station continued to execute its teaching, researching and income generating functions during the year. Other important activities included collaborative research and development work carried out in collaboration with other college departments and linkage activities with outsiders. Efforts were made to improve on farm-record.

The Field Station acquired of green-houses from the Mentlly Bromide Alternative Project, which was under Prof. E Mutitu and we have successfully planted two crops and are in the process of cropping the second crops mainly capsicum and tomatoes. The farm has also improved in indigenous vegetable production, green maize and other crops.

Coffee Production Unit

Efforts to improve coffee production through better manuring, mulching and improved canopy management has continued with more emphasis in use of organic manure from the livestock unit Animal production and Vet Farm. The general quality of our coffee for early and late crop 2013 improved compared to the crop realized in 2012 with 75 tons of cherry produced. The main objective targeted improving production per tree while also improving the cup-quality.

Horticulture Production Unit

Vegetable production continued to record impressive growth with a widened range of products including capsicums, tomatoes, indigenous vegetables, green maize, beans kales spinach etc. The orchard for macadamia nuts has also realized better sales for the nuts this year.

Livestock Production Unit

- Dairy Herd

The dairy production has improved tremendously over the last one year. We current have 15 dairy cattle with production range of 10 to 15 litres per day

- Beef Herd

The beef animals are currently 78 this reduction is as a result of selling through slaughtering; this realizes better profits for the section. There is general improvement in health of the animals.

- **Beef Steers**

Efforts have been made to fatten bull calves bought from Veterinary Farm so as to be sold as beef we currently have 24 bull calves.

- **Pasture and fodder**

Pasture has been planted in various fields over the last one year with variety of pastures and fodder crops to improve and help in supplementation of the dairy herd. Which are kept under semi zero-grazing.

Poultry Unit

Poultry unit was established in line with the vision 2030 project in the farm. The unit has with over 600 indigenous chicken. The project produces fertilized eggs and breeder cocks. There is a hatchery of 500 egg capacity and a hatchery unit under construction which will be producing a day old chicks. We also collaborate with Animal production department to hatch and sell chicks. Currently we have successfully hatched over 3500 chicks, and sold over 300 breeding cocks. The poultry unit has participated in various exhibitions organized by various Agricultural and Livestock Agencies such as KARI, University of Nairobi and Agricultural shows.

Fish Farm

A fish farm was established in line with vision 2030 project and currently the farm has 20 ponds, stocked with over 45,000 tilapia fish. We are currently constructing smaller ponds for teaching and research. There is a fish processing unit under way. Various training on Fish Farming have been undertaken by members of staff on handling and rearing fish, conducted by the Ministry of Fisheries Development. The Permanent Secretary of Fisheries visited the section on 20th June 2012 during the official launch of the Fish Farming Project. There was training for short courses on poultry farming conducted in 2013, and more training will be done.

Participation in Nairobi International Trade fair.

During 2013 International Trade Fair, the Field Station had an excellent performance winning a total of 125 prizes and 19 trophies in Livestock, Poultry, and Farm Produce. The Farm participated for the first time in indigenous chicken and won several trophies.

The Field Station won the following:-

First Prize

- Dhania (coriander)
- Kales (Sukuma wiki)
- Sweet Potatoes (Red type)
- Groundnuts
- Beans (Mwezi Moja)
- Njahi (Dolichus)
- Celery
- Egg Plant
- Carrots
- French Beans (snap beans)
- Spinach
- Broccoli
- Cooking bananas

- Cauliflower
- Amaranths
- Red Onions
- Blade Nightshade
- Heavy weight Indigenous Vegetable trio
- Best Indigenous vegetable trio
- Overall Best trio Indigenous chicken trio of the show.

Second Price

- Cauliflower
- Fruits of egg plant
- Bundles of Dhania
- 10kg bags of fresh sweet potatoes – white
- 2 Kgs groundnuts
- 3 bundles of kales (sukuma wiki)
- 5 kg doliches – Njahi
- 5kg cream cowpeas
- 3kg macadamia in shell
- 3 beetroots
- 2 bundles of spinach
- 1 kg of French beans

- 3 bundles of amaranths
- 10 bundles of garlic
- 5kg Mwezi moja beans
- 6 onion – white variety
- 3 cabbage – hybrid Gloria
- 3 heads of red local cabbage
- One band of 12 bananas – cooking type

Third Prize

- 2 bundles celery
- 6 onions – white variety
- One band 12 bananas cooking type
- 10kg sweet potatoes – white type
- 6 onions – red variety
- 6 fruits – egg plant
- 5kg Mwitemania beans
- Credited for small scale farmers.

STAFF DEPARTMENT OF FIELD STATION

NAME	GENDER	QUALIFICATIONS	GRADE	DESIGNATION
Dr. R.O.Nyankanga	M	PhD	Senior Lecturer	Farm Manager

Pauline M. Ndwiga	F	Degree	DEF	Snr. Technologist
Solomon M. Kamau	M	Certificate	C	Store Keeper
Erick Kiprotich	M	Diploma	ABC	Technologist
Michael Ndungu	M	Certificate	ABC	Technologist
Jacqueline N. Kinuthia	F	Advanced Certificate	A	Secretary
Bernard M. Njagi	M	Certificate	IV	Mechanic
Peter M. Njoroge	M	Certificate	III	Driver
Peter Nge'no	M	Certificate	III	Driver
Ruth Nyawira Karimi	F	Certificate	III	Clerk
Emmanuel K. Mutua	M	KCSE	III	Mechanic
Francis Kibera	M	KCSE	III	Technologist
George O. Odada	M	KCSE	III	Headman
Wilfred G. Nyakundi	M	KCSE	III	Animal Attendant
Raphael K. Nyambu	M	Certificate	III	Animal Attendant
Paul M. Mwangoo	M	Advanced Certificate	III	Electrician
Virginia N. Chege	F	KCSE	III	Messenger
David Martin Kange	M	Certificate	II	Plumber
John N. Kimani	M	KCE	II	Headman
Jotham K. Musamia	M	KCSE	II	Animal Attendant
Daniel M. Nzomo	M	CPE	II	Pump Operator
Timothy K. Homa	M	CPE	II	Subordinate
Evans M. Agaye	M	KCPE	II	Subordinate
Rhoda Ngari	F	Certificate	II	Head Man
Maurice Ochieng	M	KCSE	II	Grounds Man
Dix Mwangemi Bazil	M	Certificate	II	Animal Attendant
Daniel Karisa Kahindi	M	KSCE	II	Support Staff
Francis M. Mwanzia	M	KCSE	II	Support Staff
Michael Ouma	M	KCSE	II	Support Staff
Daniel Kirombo	M	KSCE	II	Support Staff
Joel Komu	M	KSCE	II	Support Staff
Samuel Kariuki	M	KSCE	II	Support Staff
Henry W. Mwatela	M	KSCE	II	Support Staff
Evans Nyabuto	M	KCSE	II	Security Guard
Oscar Oyuga	M	KCSE	II	Security Guard
Harun W.Lusava	M	KCPE	II	Security Guard
Evans M. Maina	M	KCPE	II	Security Guard
Raphael M. Makau	M	KCSE	II	Security Guard
Ernest I. Mulama	M	CPE	II	Security Guard

Lengete Ole Meingat	M	STD V	II	Security Guard
Seiyai Ole Mandasiga	M	STD V	II	Security Guard