KEFRI launches a new facility at Tiva demonstration site, Kitui County
Tiva launch

Research facilities for the Project on Development of Drought Tolerant Trees for Adaptation to Climate Change in the Drylands of Kenya were launched at Tiva demonstration site in Kitui, on 18th February, 2014.

The launch was presided over by the Cabinet Secretary for Environment, Water and Natural Resources Prof. Judi Wakhungu, accompanied by His Excellency Tatsushi Terada, Ambassador of Japan. In a speech read on her behalf by the Environment Secretary Mr. Gideon Gathaara, Prof. Wakhungu said the government has focused on promoting dryland forestry to increase forest cover to 10% as indicated in the Vision 2030 blueprint.

Prof. Wakhungu said initiative to achieve 10% forest cover in Kenya is hindered by illegal harvesting of charcoal and other related forest products, competition for land between forestry and crop production, and excision of forest for social development. However, in pursuance to increasing the forest cover, the ministry has initiated functional programmes such as development of technologies for drought tolerant trees to align itself with the government policies on dryland forestry. Consequently, an increment in forest cover, which now stands at seven per cent, has succeeded through development of supportive technologies and community participation in environmental conservation activities.
She appreciated the efforts by KEFRI and International Cooperation Agency (JICA) for not only undertaking this project since 2012 but also lots of other forestry projects since 1986. She further lauded the government of Japan for supporting the government of Kenya’s initiatives in achieving sustainable woodland management.

Ambassador Terada who is also former Vice-Minister for Global Environment Affairs, Ministry of Environment of Japan said the government of Japan will support the Kenyan government to initiate development of drought tolerant trees for adaptation to climate change. This is in line with the basic policy of Japanese Overseer Development Agency where water, environment and forestry sector are key areas of assistance.

Climate change could be a serious threat to sustainable forest management. These effects of climate change characterized by severe drought, desertification and food shortage have been experienced in Kenya and other parts of the world. “In order to curb this phenomenon, global promotion of sustainable management of natural resources and biodiversity conservation is a key emphasis towards mitigating the effects of climate change,” said Ambassador Terada.

Also speaking during the launch, KEFRI Director Dr. Ben Chikamai said the 5-year project is a collaborative research between KEFRI and JICA. KEFRI is partnering with Forest Tree Breeding Centre of Japan in screening and producing drought tolerant trees adaptable to climate change, particularly the severe conditions in Arid and Semi-Arid lands in Kenya. Currently, the project focuses on *Melia volkensii* and *Acacia tortilis* amongst other native tree species whose genetic base is dwindling.

Since its inception in 2012, the project has established two *Melia volkensii* seed orchards in Kitui and Kibwezi using clones of candidate plus trees selectively collected in ASALs areas. The orchard will serve as a source of quality seeds. Findings from the pilot project will be up-scaled to other parts of the country so as to provide germplasm for expanding natural resource management in Kenya.

Dr. Chikamai also thanked the government of Japan for extending grants since 1985 which developed KEFRI’s headquarters at Muguga and Kitui Regional Research Centre and now the Tiva facilities that include administration block, propagation chamber, and demonstration plot with observation tower.

The Japanese Ambassador His Excellency Tatsushi Terada planting a tree to commemorate Tiva demonstration site. Looking on are Environment Secretary Mr. Gideon Gathaara (Right), Director KEFRI Dr. Ben Chikamai (Centre in green) and Kitui Centre Director Dr. James Ndufa (Far left)
KEFRI’s newly appointed Board of Directors made an extensive trip to Rift Valley, Western and Nyanza regions, in February 2014, to familiarize themselves with KEFRI activities and achievements since inception, 25 years ago.

Dr. Ben Chikamai, KEFRI Director led the group which included the Chairman, Dr Daniel Mugendi, who is also the Vice-Chancellor of Embu University in Eastern Province, Prof Agnes W. Mwang’ombe, Principal, College of Agriculture and Economics, University of Nairobi; Prof Kingiri Senelwa of Eldoret University; Caroline Oduor, a legal advisor; Robinson Ng’ethe, a Forestry Consultant and Robert Masibho, a stakeholder from Eldoret, accompanied by KEFRI senior staff.

At the Rift Valley Eco-Region Forestry Research Programme–Londiani, the Regional Director, Dr Joshua Cheboiwo presented ongoing research and development activities for the centre. The delegate later visited Turbo sub-centre and compartment 2K, comprising *Grevillea robusta* seed orchard, Pine and *Eucalyptus grandis* improvement trials.

While visiting trial plot at Esicheno in Kakamega, the group was enlightened on bamboo establishment, management and utilisation activities. Bamboo growing is gaining popularity as a source of alternative livelihood. This was followed by a visit to KEFRI’s rehabilitation trials in both Kobujoi and Maragoli Hills under Lake Victoria Basin Eco-region Programme - Maseno. Adoption of KEFRI technologies by stakeholders was portrayed on Mr. Akaki’s farm, a KEFRI collaborator of many years. The farmer has integrated different tree species on one acre piece of land, proving that tree growing can be a profitable occupation.

The Board of Directors had an opportunity of interacting with the staff at the various centres where they discussed various staff welfare issues. Similarly, they were impressed by the institute’s achievements in the region and the dedication of staff in achieving KEFRI’s mandate. “Quoting from appreciation address by the Board Chairman.”
The International Day of Forests, whose theme "Celebrating Forests for Sustainable Development", was marked on March 21 at Kereita forest, Kiambu County. The Environment, Water and Natural Resources Cabinet Secretary Prof Judi Wakhungu, who was the Chief Guest led players in the forestry sector from both public and private sectors in planting trees in the forest. KEFRI Director Dr. Ben Chikamai led KEFRI staff in the event.

This was the second time the Forest Day was celebrated worldwide following the United Nations General Assembly resolution of 21 December 2012 which urged Party States to honour 21 March of each year, as the International Day of Forests.

Speaking during the occasion, Prof Wakhungu observed that the resolution has created an important platform to educate the global community about the great value of forests and the huge social, economic and environmental costs of losing them. She noted that the day is a symbolic recognition of the contribution of forests to human development, particularly improvement of livelihoods.

"This day affirms our conviction that sustainable forest management of both natural and planted forests is essential in achieving sustainable development of our country. It is indeed a means to reduce poverty and deforestation, halt the loss of the valuable forest biodiversity and contribute to climate change mitigation," she stated.

She further noted that her ministry in collaboration with other state and non-state actors had mounted similar programmes and campaigns on tree growing. Key among this is the Green Schools and Commercial Tree and Bamboo Growing Programme which was launched by His Excellency the President on 7th December, 2013 in Nyandarua County. When fully rolled out, the programme will cover all public primary schools countrywide where activities will include awareness creation, capacity building on tree nursery establishment, tree growing, efficient wood and timber recovery, non-wood products development and many other related aspects of environmental conservation.

"We are convinced that instilling these important conservation values in our youth at the earliest opportunity is imperative in realising sustainable environment in the years to come," said the Cabinet Secretary.

She also noted that the process of formulating the National Forest Programme (NFP) has picked up by constituting a team of experts to guide and steer the process. The NFP intends to provide a clear strategy for the implementation of forest policy over the coming 15 years, and a framework for the government and development partners to align their support, leading to the establishment of a sector-wide approach. Both the policy reform and NFP processes will improve the capacity to effectively and efficiently address forest sector conservation challenges and promote knowledge-sharing amongst forest partners.
Climate change in sub-Saharan Africa continues to pose grave danger to the environment thus, concerted efforts are needed to mitigate and curb its impact. The Cabinet Secretary for Environment, Water and Natural Resources, Prof Judi Wakhungu said during the opening of the Regional Policy Level Seminar on Mitigating Climate Change in Africa through Social Forestry held at KEFRI headquarters, Muguga, on 17th February, 2014.

The day seminar aimed at producing training curriculum on adaptation measures to climate change within the region to enhance capacities of participating countries to practically mitigate climate change through implementation of participatory social forestry extension methodologies.

The course brought together policy makers, who are Chief Executive Officers from 20 countries where regional training course participants are drawn. It was the second Policy Level forum under the Japan International Cooperation Agency (JICA) Third Country Training Programme, with the first being held in 2010. JICA has so far sponsored 19 Regional Training Courses with over 400 officers trained from 20 different countries within the region.

"More than ever before, the world today is faced with many environmental challenges, most of which can be attributed to climate change," noted Prof Wakhungu. Global warming presents a significant threat to achievement of many developmental goals, especially those related to eliminating extreme poverty and hunger, and promotion of environmental sustainability.

She observed that a major challenge for much of sub-Saharan Africa is how to formulate agricultural technologies that can resolve conflict between sustainable and improved livelihood, and environment conservation. Wakhungu said that the seminar took place at an opportune time when the world is developing strategies to combat the effects of climate change which, if left unchecked, will be a great threat to not just the environment but also to mankind’s existence.

Speaking during the occasion, KEFRI Director Dr Ben Chikamai, said that the effects of climate change already being experienced in sub-Saharan Africa include floods, increased frequency and severity of droughts, increased incidences of human and livestock diseases, food and water insecurity.

"The impact of climate change can only be minimised if we develop and promote technologies that can adapt to a changing environment, a process that will need sound decision support mechanisms from researchers and policymakers for effective implementation," he said.

Dr Chikamai explained that social forestry which encompasses integrating trees into agricultural landscapes is one option that could offer multiple benefits as well as ensure sustainable food production and creation of an effective carbon sink and sure way of increasing forest cover in our nations.

At the same time, Dr. Ben Chikamai received from the Cabinet Secretary an award from the United Nation for KEFRI support in South-South and Triangular Cooperation in collaboration with JICA.

**Correction**

In page 4 and 6 of KEFRI Newsletter issue No. 7 we published *Podocarpus flaxinifolius* while the correct position is that the tree species is *Podocarpus latifolius*. The error is highly regretted.
Towards effective Service Delivery

Sensitisation of KEFRI Customer Service Charter is an exercise implemented annually with the objective of making members of staff aware of their duties and responsibilities so as to deliver services effectively.

This year, the exercise was held in March 2014 covering the headquarters and all regional centres. This was a follow-up to previous sensitisations carried out in the last two financial years. These sensitisations were based on the revised corporate charter and the devolved service charters for each region, as well as the customized charters for various departments namely; Finance, Supply Chain, Tree Seed Centre, Tree Nurseries, KEFRI House and Conference halls.

These sessions are ideal forums for discussion, in-between staff, on the various challenges they face in their work and recommendations that can effectively tackle those problems. Students on attachment from various universities and tertiary colleges are also encouraged to participate.

Under the Performance Contracts (PCs) of the government, all public institutions are required to improve service delivery, conduct customer satisfaction surveys annually and progressively work towards increasing customer satisfaction. The goal is to create accountability to the public for targeted results, increase productivity, improve on service delivery to the public, change attitude to work and adhere to work ethics.

KEFRI’s service charter comprises the following:

- What the institution does vision and mission
- Products and services
- The standard and requirements of the service to be provided
- Time frame within which the service is to be provided
- Cost where applicable
- Contacts through which clients may seek redress if they are dissatisfied with any service or commitment as promised in the charter.

KEFRI has installed both corporate and devolved service charters at all regional centres and members of staff are obliged to adhere to each item of the Service Charter.
A n interactive workshop for KEFRI secretarial staff was held at the Kitui Centre on 11th to 13th February, 2014. The objective was to enhance work performance, efficient service delivery and cohesion between the secretaries. The Regional Director Dr. James Kamiri Ndufa opened the course. The resource persons were Mr. Duncan Ikua, Kenya School of Government, Mrs Evelyn Oroni and Mr. Christopher Momanyi both from KEFRI.

The workshop covered overview of KEFRI, workplace etiquettes, Public relations and customer care, effective communication and public speaking, conflict management, team building, performance management, stress management, budget preparation and resource management.

B eekeeping is a beneficial activity that can be carried out by communities adjacent the forest in bid to improve livelihood, enhance forest conservation and food security. It is an old age activity inclined mainly to men but modernity has enabled women to be also actively involved.

Eleven members of Muguga Ecosystem Research Community Forest Association (MERCFA), a Community Forest Association (CFA) adjacent Muguga forest, benefited from a 3-day bee keeping course conducted at KEFRI headquarters from 5th to 8th February, 2014.

Trainers from National Bee Keeping Station (NBKS) conducted the course which was funded by Green Zones Developing Support Project (GZDSP) in collaboration with Kenya Forest Service-Kiambu Ecosystem Conservator.

The group made a study tour to Kereita Integrated Community Forest Association (KICOFA) where beekeeping activity is well established. The GZDSP also donated 15 beehives to kick start the beekeeping activity in Muguga forest.

Muguga CFA, registered in 2008, is an active stakeholder in the management of Muguga natural forests, partnering with KEFRI and KFS Kiambu County Office. Muguga natural forest comprises two blocks, Gachuthi and Gatwirika which are remnant of archaic forests in Kiambu.
A workshop to impact skills on bamboo utilization was held in Ngege market, Migori County, from 4th to 10th February, 2014. Five farmers cum artisans namely; Lawrence Otieno, Zephania Onyango, Nicholas Onditi, Jane Odhiambo and Florence Ocholla from Migori Bamboo Farmers’ Cooperative Society were trained. They were selected from over 60 farmers who have each planted approximately 100 clamps of bamboo species; *Dendrocalamus giganteus* and *Bambusa vulgaris* on their farms. Jointly, the farmers operate a bamboo nursery and a workshop. They also have a Bamboo Cooperative Society where they save money from sales of bamboo assorted products.

During the same period, KEFRI conducted an advanced Bamboo Training Workshop from 30th March to 11th April, 2014 at Karura. The artisans namely; Victor Kigen (Nakuru), Grace W. Maina, Stephen Odhiambo (Nairobi), John Gaitho (Kiambu), Peter Mwamburi, Josphine K. Mboje and Wilfred M. Mrongo (Taita Taveta), Makau Mwanza (KEFRI-Kitui), Denis Obutu (Nyamira), Malachi Odhiambo (Homa bay), were selected based on their efforts in utilizing Bamboo skills impacted in a previous course.

The workshop and the training objectives covered the followings;

- Bamboo harvesting techniques, seasoning, treatment and preservation
- Bamboo furniture making and weaving techniques
- Making Bamboo fancy items and ornamental (e.g. earrings, necklaces, belts, cooking sticks, pen holders, table marts, pens) and many other household items
- Awareness of bamboo utilization and understanding basic theories and principals of bamboo technologies
- Group dynamics and leadership
- Preparation of bamboo edible shoots

The workshop applied presentations, discussions and practicals on bamboo scrapping, splitting, joinery, sanding, advanced finishing, and cooking edible shoots. The outcome was self-made handcrafts, ornamental, bamboo crisps, assorted furniture and fancy items.

Apart from the above mentioned uses, research in KEFRI has uplifted Bamboo into other uses such as charcoal, climate change mitigation, soil and water conservation, enhancement of soil nutrients, bamboo timber and house construction.

KEFRI participated at Waruhiu Agricultural Training Centre, Kiambu County, on 14th and 15th March, 2014.

Technologies exhibited were timber sawing on-farm, Bamboo processing and value addition and assorted value added bamboo products.

More information was disseminated through interactions, posters and publications. Five hundred people visited the stand.

Bamboo products attracted many people who also indicated interest to grow the plant on their farms.
Traditional charcoaling method employed largely by many communities in Kenya is contributing immensely to global warming. This practice is endangering forests cover and bush lands. KEFRI is addressing this challenge through refining methods for charcoal production and training communities on improved charcoaling technologies while taking the opportunity to scout strategies to minimise carbon dioxide emission.

On the week commencing 24th March, 2014, KEFRI staff from Forest Products Development Centre-Karura, Central Highlands, and Dryland Eco-Region Programmes trained Ndalakanjire Community group in Maungu - Taita Taveta County, on efficient charcoaling methods.

The exercise involved imparting skills on efficient charcoal technologies to the members of group ranches so as to improve charcoal production. A comparative study was conducted using three earth kilns; the usual earth kiln and two improved with chimneys, according to Mr. James Kimweme.

In addition, group discussion and semi-structured interviews were used to measure the level of community understanding on issues regarding best practices in charcoal production, and changes in the environment, according to Emily Kitheka. “KEFRI in collaboration with KFS is spearheading capacity building as well as awareness creation to improve operational efficiency and enrichment to quantity and quality of forest products and services,” she said.

Mr. Ezekiel Kyalo (Kitui Centre) taught seed collection and preservation, *Melia volkensii* as an alternative woodlot tree species, its establishment and propagation and management on-farm.

Mr. Eliud Macharia, a taxonomist, was involved in identification of tree species used for woodfuel production. *Acacia horrida*, *Acacia elatior*, *Cordia sinensis*, *Balanites aegyptiaca* were ranked as the best quality while *Commiphora africana* was ranked poor species for charcoal production.

*Miti Mingi Maisha Bora Programme (MMMB)* is a collaborative project between the Governments of Kenya and Finland with an objective to facilitate an increased contribution of forests and improved forest management to economic recovery and poverty alleviation in Kenya rural populations.
KEFRI’s Central Highlands Forestry Research Programme in collaboration with Ndakaini Dam Environmental Conservation Association (Ndeka) and the area administration organised a field day in Muranga County on 25th February, 2014. Ndeka was established in 2004 to conserve the 42 Kilometres Ndakaini dam line, which lies on the slopes of the Aberdares Ranges.

The field day was held at Mr. Zacharia Nguru Mubia’s farm, a small-scale farmer who has integrated food crops and planted over 120 multipurpose tree species, both indigenous and exotic on his farm at Kanderendu in Makomboki sub-County, Muranga. The event was attended by 170 people. KEFRI emphasised on environmental conservation and protection of Ndakaini dam water catchment area. The demand-driven farmers seminar saw KEFRI impart skills on propagation and utilisation of Bamboo as alternative planting material, tree seed production, tree nursery establishment and management practices.

Ndakai has currently managed to mobilize community and other well-wishers to plant 0.5 million indigenous trees along the dam line. To date, the population holds over 60,000 seedlings on individual and group nurseries and its aim is to plant 120,000 seedlings within the year.

Embu

The same Research Programme organised a field day in Embu County on 20th March, 2014. The event held at Karurumo Youth Polytechnic, Runyenjes sub-County, was attended by 70 people amongst them small scale farmers and students.

KEFRI staff trained them on propagation and utilization of Bamboo as alternative planting material, tree seed production, tree nursery establishment and management practices. Emphasis was more on the importance of bamboo in environmental conservation, water catchment, soil erosion control, air regulation and mitigation against climate change. These interactions of KEFRI, small- scale farmers and other partners is an important step towards imparting skills needed in raising seedlings for aforestation and reforestation as well as conserving the environment.
The Rift Valley Eco-Region Research Programme participated in the Uasin Gishu branch annual ASK show in Eldoret from 5th to 8th March, 2014. The theme of the show was “Enhancing Technology in Agriculture and Industry for Food Security and National Growth”.

KEFRI staff interacted with diverse people who included farmers, students, entrepreneurs and officers from the public and private sector. KEFRI Mission, Vision and Service Charter and theme Interpretation posters were displayed and explained in line with Vision 2030. Other displays included tree seed samples of both indigenous and exotic trees. Visitors were provided with information on best practices to apply in seed collection, processing, seed sowing, nursery management, different propagation and management methods for tree improvement, soil fertility improvement practices, and information dissemination channels KEFRI uses to reach its audience. Many visitors sought guidance on the best commercial tree to grow in different agro-climatic zones in Uasin Gishu and neighbouring areas.

Rift Valley is a high potential area for Prosopis, an invasive tree species which has been a source of controversy in area residence. KEFRI exhibited Prosopis value added wood and non-wood products namely; Prosopis seedling management, animal feed made from grinded pods, assorted baked products, timber, wood carvings and floorboards (parquets).

Results from ASK judgment, KEFRI emerged second best stand in Research and Development and third best stand displaying Environmental System Applications.
Kenyan researchers have isolated compounds from Aloe plant with potential to cure breast cancer. According to the journal Molecules, the researchers from the University of Nairobi in conjunction with the University of Gothenburg, Sweden, analyzed 16 chemical compounds from sun-dried roots of *Aloe dawei* for their efficacy against breast cancer cells. Of those chemical compounds, two resulted in strong activity against specific breast cancer cells. Developments in this study are very encouraging and the next step is to test how the plant extracts may be affecting normal cells before venturing into drug development, states the lead researcher Abiy Yenesew, as cited in the Standard Newspaper, 26th March, 2014.

This study may confirm Aloe’s traditional medicinal use of cytotoxicity and serve as a foundation for future medical innovations and research in breast cancer treatment.

*Aloe dawei* grows widely in arid to semi-arid areas of Kenya, Tanzania, and is native to mountainous regions in Uganda, Congo and Rwanda. It is used in traditional medicine and particularly recognized for malaria treatment in Rwanda. However, even with its wide use in traditional medicines, no chemical analysis has been carried out before. According to Yesenew, this is the first record attempt.

*Aloe dawei* is named after Mr. Dawe, who was the curator of the Botanical Gardens at Entebbe, Uganda in the early 1900s.

Aloe, is a genus containing about four hundred species of flowering succulent plants. The most common and well known of these is *Aloe vera*, or “true Aloe”. The genus is native to Africa, neighbouring areas such as Madagascar and the Arabian peninsula.

KEFRI has been involved in research and development of Aloes in Kenya where its scientists have identified five main Aloe gum producing species and others with potential for commercial exploitation. KEFRI has also been involved intensively in development of value added beauty and health products, particularly from *Aloe vera*.

**Facts about Aloe**

- Aloe species are cultivated as ornamental plants or for commercial uses
- Most Aloes have thick and heavy leaves which are dotted with small white points
- Majority of Aloes plants are used in alternative medicine
- Some Aloes are laxative while others are poisonous
- Depending on variety, the leaves contain either sap or gel
- The sap contains aloin, which turns colour rapidly
- The sap is heated and cooled to form aloe gum
- The jell contains diminutive aloins thus it is used as health juice
- Aloe jell soothes skin burns, wounds, stings, bruises, etc
- The jell is added to other ingredients to make assorted products e.g. soap, shampoos, facial toners, creams and astringents
Aafter fourteen months of waiting I received the letter. A single increment deprived of backdated payments came as no surprise. It has happened before and deliberations that followed didn’t augur well. Thus, I dallied with the idea of responding to complain or compliment. Coincidentally, while scanning collection in my home library comprising literature and languages, The American Readers, The Dolphins and the Norton, I came across this letter to God written by Gregorio Lopez Fuentes and published by McDougal Littell.

The house—the only one in the whole valley—stood at the top of the low hill that looked like one of those primitive, truncated pyramids some wandering tribes abandoned when they move on. From there one could see the meadows, the river, the stubble pasture, and next to the corral the field of ripening corn with beans blossoming purple among the stalks—a unmistakable sign of a good crop. The only thing the earth needed was a good rain, or at least one of those heavy showers that form puddles between the rows. To doubt it would rain would have been the same as mistrusting the experiences of veteran farmer who believed in planting on a certain day of the year.

Lencho, who knew the country well, had spent the morning scanning the sky to the northeast. Now at last the rain is really coming, old girl.

And his wife, who was cooking dinner, replied: May God grant it.

The older children worked in the field while the younger one played near the house until their mother called them for dinner.

It was during the meal that great drops of rain began to fall, as Lencho had predicted. Mountainous masses of clouds could be seen coming from northeast and the air was fresh and cool. Lencho went out to fetch some implements that had been left on a stone fence, just to feel the pleasurable sensation of the rain on his body.

When he came in he exclaimed:

These are not drops of water falling from the sky, they are bright coins: the big drops are ten centavo coins, and the little drops are the fives....”

And he gazed with contented eyes at the field of corns and beans in blossom, all veiled in the filmy curtain of rain. But suddenly a strong wind began to blow, and hailstones as big as corn started to come down with the raindrops. The children dashed out to pick up the largest of the icy pearls. They indeed looked like new silver coins.

This is really very bad, Lets hope it stops soon, Lencho exclaimed with chagrin. But it did not stop that soon. For an hour the hail came down upon the house, the garden, the mountain, the corn, and the whole valley. After the storm had passed, the field was white, as if covered with salt. The trees were left leafless, the corn destroyed, the beans left without blossom. And Lencho’s heart was filled with grief.

Lencho told his children as he stood in the middle of the field: This year we shall be hungry, the hailstorm has left nothing. We have lost all the corns and beans....” A cloud of locusts would have left more than this!.

The night was one of weeping. All our works and expectations has come to nothing.

And no one to help us!

Don’t be so upset, even though its hard blow, said his wife. Remember being hungry never kills anybody.

That’s what they say – being hungry never kills anybody!, but he who feels the pangs of hunger knows how much it hurts, retorted Lencho.

But in the hearts of Lencho there was one hope - the help of God.

And during the night Lencho thought a great deal about what he had seen in the village church on Sundays: a triangle, and inside the triangle an eye, an eye that seemed very big. An eye – which sees everything, even what is in the depths of one’s conscience.

Lencho was uncouth peasant who worked hard in the fields, but he knew how to write.

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Lencho was uncouth peasant who worked hard in the fields, but he knew how to write.

At day break the following Sunday, having strengthened himself in the conviction that there is someone who watches over us, he began to write a letter. It was nothing less than a letter to God!

Story continues in the next edition No. 9
New Appointments

The Board of Management congratulate and welcomes to KEFRI fraternit...
Melia volkensii seed orchard at Tiva demonstration site, Kitui