



API News

February 2016
Issue XV

A publication of The Uganda National Apiculture Development Organization (TUNADO)

A Membership & Apex Body for
Coordinating Apiculture Sector in Uganda



If you are interested in receiving this Newsletter, please contact

TUNADO

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To support the beekeeping communities in Uganda; contact info@tunadobees.org

The 7th National Honey Week

Theme:

**"QUALITY BEE PRODUCTS,
A means for ready market"**

Date:

22nd - 27th August, 2016

To sponsor the honey week event activities;

Contact:

bphionah@tunadobeas.org

for details of sponsorship packages and benefits.



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Editorial Message

Appy New Year dear reader! It is at this time of the year when we present you the first issue of the Api Newsletter. Thank you for being such a good reader for the previous year. In this issue, we present you the proceedings of the End of year National MSP with sector priority issues for 2016, success stories, results of the first Apiculture Business Forum in Uganda, current prices of hive products in Api Price Watch, Learn about the Calliandra tree and its propagation

Hope you enjoy your read.

Wishing you a Happy and Prosperous New Year, 2016!

Phionah Birungi

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**For any questions,
Comments or inquiries, send to**

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Chairman's Message for the 15th Issue of API News Letter

First of all I want to wish you the best in 2016 as we build a stronger TUNADO we all want. Last year we received a lot of requests for TUNADO to provide services to members, however, our resources only allowed a few and majorly in project determined areas. On behalf of the board of TUNADO I ask that those whom we did not full fill their request you forgive us and those we did, please share with the rest. This is because most of our budget is donor funded and hence restricted to a location and target group. As you may be aware, Development Partners usually support an organization for some time and after that they expect such an organization to stand on her feet and pay for the running costs. It is against this background that sometime back - 2014 TUNADO Board, Management and Members resolved to have a Business wing.

Year 2015 saw the development of the idea further into a Business wing concept paper for purposes of soliciting funds for developing a Business Plan. Trias and Swisscontact Uganda agreed to fund the process of developing a Business Plan with the help of a Consultant. Through competitive bidding, Effective Skills Consulting firm was selected by a Technical Committee comprising of representatives from Trias, MAAIF and TUNADO.

The Consultant embarked on the process upon agreed Terms of Reference using a participatory approach which saw them interview a cross section of apiculture stakeholders to solicit their views on the proposed TUNADO Business wing. The information obtained helped to develop

a zero Draft Business Plan which was presented to the MSP for input. The MSP deliberated on the zero draft at length.

The Consultants used all the information generated at the MSP to develop a draft Business Plan. This draft plan was presented to the Technical Committee for consideration. The Technical Committee deliberated on the draft Business Plan and recommended the preparation of a Final Draft.

The Final Draft was prepared and presented to the stakeholders Workshop for validation. Information generated at this Workshop enabled the Consultants to develop the Final Business Plan which has formally been submitted to TUNADO for implementation.

According to the plan, the Business Wing will be called World of Bees (U) Ltd. and will be registered as a private company

... information obtained helped to develop Business Plan ...

limited by shares. All the shares will be owned by TUNADO on behalf of the members. It will be a marketing agency dealing in members' products like honey and other hive products, Beekeeping Equipment and other inputs and Consultancy on Beekeeping. All these will be under one roof as a one stop center. It will not compete with members but rather offer a marketing option for members' products and services. Using differentiation marketing strategy, it will emphasize on supply of quality products and services from members and certified equipment suppliers.

TUNADO therefore wishes to thank Trias and Swisscontact Uganda for the financial support that has seen the development of a bankable World of Bees Ltd. Business Plan. Thank you Effective Skills for helping TUNADO to prepare the Business Plan and of course thank you Board, Management and Members for your resolution to start a Business Wing. I therefore wish to take this opportunity to request members, stakeholders and development partners to support this initiative that will take beekeeping to the next level.



ED's Message

It gives me great pleasure to welcome you all in 2016. First I want to take this opportunity to thank TUNADO members and Board of Directors under the leadership of Mr Jurua M Jackson for the support and guidance given to us last year. Secondly I wish to extend special thanks to Oxfam, Trias, Agri-Pro-Focus and Swisscontact for the financial contribution extended in 2015 to compile, develop, print and distribute 4 issues of the Api-newsletter. To all those who voluntarily contributed articles thank you very much and please do more of the same. To those who advertised with us, thank you very much and we pledge our best services always. The Api-newsletter continues to be the single most source of apiculture information in Uganda. It is also a reference point for up to-date information on the bee products and services market price in Uganda. The Api-Newsletter, is always developed in a manner that brings field experience, technical information, practical and hands-on, success stories, and challenges in the apiculture sector. It is also developed in such way that enables both the literate and semi-illiterate to

understand for it has a combination of text and visual displays in form of photos. It has well-structured distribution channels. Both electronic and hardcopy means are used to disseminate the Api-newsletter. This has made it easier to reach a wider readership but also receive feedback on the published information. This has made it possible to continue improving the Api-newsletter to become an authoritative source of credible information that is a must read for both the sector players and those interested in the sector. I therefore want to encourage all of us to support this cause. Different options do exist on how you can support the Api-newsletter, you can support by contributing articles/information, feedback, financial contributions towards compiling and printing, distribution, advertising etc, and you are all most welcome. TUNADO ensures that everyone's contribution is acknowledged in the Api-news. Lastly I want to assure you of our continued timely and quality information in 2016 and I thank you all for the support.

Biryomumaisho Dickson (Msc)
Executive Director – TUNADO



**Mr. Biryomumaisho Dickson,
ED - TUNADO**



*Special thanks
to Oxfam, Trias,
Agri Pro Focus and
Swisscontact for the
financial contribution
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Newsletter.*



End of Year National MSP

On 6th November, 2015, TUNADO held the End of Year National Multi Stakeholders Platform (MSP) at the Uganda National Farmers Federation Hall, Nakasero with 76 stakeholders including members, partners and other guests attending. The purpose of this National Apiculture MSP was to self-evaluate on how stakeholders together deliberated on the sector priority issues set for 2015, document replicable achievements and define new mechanisms for a more inclusive apiculture sector to match the recent market demands.

The meeting started with welcome remarks from Mr. Jurua McPeace Jackson, Chairman

Board of Directors TUNADO. In attendance was Mr Ntungwa Januario from Trias, Ms Asimwe Carol from SwissContact, Ms Diana Namayanja from National Livestock Resources Research Institute and Mr Kisenyi Robert from Apitrade Africa.

The MSP remains the most important opportunity through which all stakeholders can influence sector priorities and add to the agenda of TUNADO the apex body coordinating the apiculture industry, Government, Development Partners and sector players. The National MSP provides a leveled ground where each stakeholder's role is determined and performance assessed with the desired future of

Uganda's apiculture industry.

The Programme Manager, Ms. Birungi Phionah gave a reflection on the 2015 Sector Priority Areas and then highlighted activities that were implemented under coordination of TUNADO with support from stakeholders. The following were the implemented activities in response to sector priority issues;

Training of Trainees

- Conducted an in house training for ToTs in Kabanyolo for 1 week where pedagogical skills on CBET were handled. The facilitation was done by Skills Initiative Uganda Ltd who developed the national beekeepers training & extension manual.

A total of 26 ToTs participated and are in the field training others. A full list of trained persons with their details exists and TUNADO encourages stakeholders to take advantage of these persons. Follow up will be done by TUNADO & MAAIF to assess their performance in their respective job titles and if successful, will be certified by MAAIF and TUNADO as National Trainers.

Regarding Business development - Apiculture shopping centre and soft loans

- TUNADO solicited services of Effective Skills Development Consult to develop the business plan for the apiculture shopping centre.
- With support from Oxfam an MoU was signed with Centenary Bank to give loans at an interest rate of 1.9% per month to value chain actors in apiculture in the districts of Lira, Kotido, Arua, Maracha, Nebbi & Koboko. Financial literacy was done and account opening and loan processing is on-going. With support from Trias, another MoU is yet to be signed with HOFKAM to give out loans at an interest rate of 19% per annum to value chain actors in Bunyoro to processors buying hive products from those areas.
- Another MOU is yet to be signed with Nyaravur SACCO in Nebbi to provide low interest loans to beekeepers in the districts of Arua, Nebbi and Zombo.

Honey Week

- 6th national honey week was organised on 24th-29th August 2015 at Forest Mall, Lugogo under the theme **"Transforming Women & Youth from Subsistence to Commercial Apiculture"** and all the activities for the week-long event were tailored to address the theme notably the youth panel discussion and the women's forum whose recommendations are being followed up to achieve the theme.

Regional Offices

- Arua regional office is now fully functional with 2 full time staff serving 267 beekeeper groups in the districts of Arua, Nebbi, Zombo, Maracha, Koboko, Yumbe and Moyo.
- **Standard operating procedures:** These were reviewed and submitted to MAAIF for it to come up with a final document for operationalisation. MAAIF had all entomologists convened to review the same.

In line with the implemented MSP priority issues, the following were agreed upon as sector priority issues for 2016;

- Market development such honey week, market place events, Api-expo and TUNADO marketing platform/Business wing.
- Beekeeping enabling environment through organizing business event, trade missions, lobbying for favorable policies such as taxation, linkages to financial institutions
- Women inclusion through addressing gender based barriers to beekeeping (e.g harvesting at night, hanging hives higher in trees), involving, training in beekeeping and Gender Action Learning Systems - GALS and sensitizing women on income and livelihood potential
- Youth inclusion through youth forum, labour based services, marketing and trainings.
- TUNADO Institutional development through continued recruitment, maintenance of members and opening of regional offices.
- Extension services through promotion of beekeeper to beekeeper extension model

Pictorial of the Event



Participants of 2015 End of Year MSP listening attentively to a presentation



Group discussion on sector priority issues for 2016



Presentations by some women during the End of year MSP



End of year MSP participants pose for a group photo after the MSP



Dealing with Market Access Challenges through Formation of Trading Hubs in West Nile

In 2015 The Uganda National Apiculture Development Organisation (TUNADO) with support from OXFAM extended SAIL-Uganda (strengthening the apiculture value chain for improved livelihoods) project to West Nile. It focused on enhancing the position of women in the honey value chain for improved livelihoods. Given the challenges and disadvantages Women face to participate in Apiculture. These include, such as access to production resources (such as land, equipment and access to credit), information, trainings and cultural gender attitudes. To unlock the above challenges the project employed different innovative approaches that have been tried in

Kamwenge under Uganda Honey Trade Project and in Bunyoro and Some groups of West Nile under Enabling Synergies between Organised Enterprising people (ESOEP) Project. These are;

- 1) **Use of Beekeeper to Beekeeper Extension (B2BE) Model** as a vehicle to provide trainings to women in the honey value chain.
- 2) **Establishment of trading hubs for market access:** As means of providing the first market link age connecting rural women beekeepers to the high-end honey and beeswax buyers
- 3) **Financial access:** low interest rate facility was negotiated with Centenary

Bank with consideration of women's limitation in access and control of resources that are normally used as collateral security and their abilities to negotiate for the financial facility.

- 4) **Gender Action Learning Systems:** This tool was adopted from Oxfam, commonly referred to as GALS.
- 5) **Creating an enabling environment:** for business to flourish there is always need for an enabling environment a reason why the Business forum, multi-stakeholders platform and an exposure visit were organised to pitch, mentor and increase business acumen of women beekeepers. Success story to follow in next issue.

Pictorial of Trainings



Anyunziva group in Arua learning to sieve honey using a strainer

Anyunziva group learning to process beeswax



Awuleru group in Koboko during a training using the National Bee Keepers' Training posters

West Nile participants in Kamwenge learning siting



Registered Achievements of ES-OEP A TRIAS Funded Programme in West Nile & Bunyoro Region (2014-2016)

In February 2016 the Membership Development Officer of TUNADO Mr. Bomujuni Allon travelled to Abibaremu, Zombo District in West Nile to follow up on the beneficiaries under ES-OEP(Enabling Synergies between Organised and Enterprising People) Project 2014-2016 (a Trias funded project implemented by TUNADO). On reaching Zombo, He was extremely surprised to find many people at Beropamungu Youth group that he called the Coordinator, Mr. Omirambi Robert and engaged him in a 10 minute discussion.

Qn. What is your name?

Ans. My name is Omirambi Robert from Beropamungu youth group

Qn. Tell me what encouraged you to start beekeeping.

Ans. While growing up, we had a few elderly beekeepers in our neighborhood who were practicing traditional beekeeping i.e. siting hives in a bush to trap wild bees but would still harvest and get honey. After my education with slight knowledge from school, I decided to make a difference in my youthful stage and came up with the idea to start beekeeping but in a more civilized way by establishing an apiary.

Qn. When did you start and what would you say you have benefited from beekeeping?

Ans. I started beekeeping in 2014 with a few friends when we formed a youth group in the names of Berupamungu Youth Group. It is at this time that TUNADO came into support. TUNADO helped us kick start the beekeeping project through various trainings to date.

TUNADO exposed us to Bushenyi Connoisuer honeys and to the National Honey week. We never expected to visit such places having just started the beekeeping enterprise.

Qn. What is your current role in the group that you formed?

Ans. I am working as the coordinator of Beropamungu Youth group which has a membership of 26 members.

Qn. How many hives did you start with and how many do you have now?

Ans. We had four beehives but TUNADO trained us how to make hives. As I speak now, we have made and sited 100 hive.

Qn. How many times have you harvested from your hives?

Ans. This is the first time we are harvesting and we are extremely happy that we have been able to harvest 420kg of Honey and have acquired 2,100,000.

Qn. What do you intend to use that money for?

Ans. Use the money? We have already used that money to buy timber for making more hives, which we hope that when sited and colonized, our production will increase and this will enable us sell more and even earn big.

Qn. Have you faced any challenges so far?

Ans. Not really. The only thing that had worried us was how we were going to sell our honey because it involved walking very long distances. However, TUNADO told us collectively sell our honey from different groups. That is how we sold our honey.

Qn. What do you hope for in future?

Ans. We expect to increase our production and the proceeds from our sales will help us support our siblings through school but also register our company.



Members from Beropamungu view a ripe comb during an exposure visit to Bushenyi connoisuer honeys



Exposure Visit to Kamwenge

TUNADO's with support from Oxfam under the SAIL-Uganda Extension project in West Nile, exposed Community Based Beekeeper Mentors (CBBMs), hub coordinators and District Entomologists to Kamwenge as an integral part of vocational learning method on various apiary management and products handling. The purpose of the visit was to expose trading hub coordinators, CBBMs and district entomologists under the SAIL Extension project in West Nile in the districts of Arua, Nebbi, Maracha and Koboko, to an established beekeeping cooperative in Kamwenge-KABECOS. Under Uganda Honey Trade Project, where KABECOS was the major beneficiary, farmer led extension model and collection centres were introduced. This has enabled increased women participation, easy information exchange, group cohesion, easy marketing and access to services. It was therefore important to expose beekeepers from West Nile where a modified but similar approach of Beekeeper to beekeeper (B2B) extension model and Trading Hubs are being used.

The testimony given by beekeepers after the exposure visit to Kamwenge beekeepers cooperative society (KABECOS) greatly changed their attitude in apiary management and inclusion of women in beekeeping. Beekeepers have and continue to clean their apiaries, hang hives only when they want to have them colonised after which they now place them on hive stands in order to control pests & diseases, have assembled beehives which they had abandoned, cleaned them & baited them afresh. Every beekeeper is attempting to be friendlier to his/her bees by visiting their apiaries more often.

Pictorial



Participants learn how to harvest honey during day time



Mapenzi(purple t-shirt) showing participants around his apiary



Participants at The cooperative's honey collection, processing and selling facility



Group photo of participants in the exposure visit

My Experience in Kamwenge

I am Munduru Juliet and I am 31 years old. I am a Ugandan born in Elavu village, Aripia Parish, Terego Aiivu sub county-Arua District.

I am a beekeeper from Arua blessing group where I act as the chairperson. We have 28 KTB hives of which 20 are colonized. I have spent two years in beekeeping now.

I was overjoyed to receive a phone call from the chairman of Terego beekeepers Association, Mr. Adrole Ajua Eschol, a TUNADO member inviting me for an exchange visit to Kamwenge something I took time to believe. However, on 21/11/2015 I left Arua for Kampala and arrived the TUNADO office where we gave our expectations and received a brief summary of the exposure visit.



Muduru Juliet during the 1st Apiculture Business Forum

We travelled for about 7 hours and finally reached the beautiful land with KABECOS as our host.

I learnt that under the Uganda Honey Trade Project, beekeepers in KABECOS were introduced to a model Beekeeper to beekeeper extension model. This model relies on the beekeepers themselves to spread skills to other members. The other

thing is KABECOS is gender sensitive. We got to see a number of women who had been trained in bee suit making, candles, cream and lotions. Field visits were even more interesting. The learning Centre of Saulo's farm was a good gesture with his hives near the home. Saulo built a house (shed) for his hives and has a lot of fruits that provide forage for his bees. His colony is very strong.

Learning Centre 2 was Mapenzi Yason who has Hives, cows, grows bananas, potatoes and many other plantations like mangoes which also provide forage for the bees. He too has a very strong colony. The next lady was so amazing. Mrs Topista had her hives in her compound and even tried harvesting without protective gears on. Her concern was putting your hives away from home makes it hard for the bees to get used to you as compared to hives around the compound.

Harriet Tunanukye had a very good apiary sight with different types of hives, the school apiary at Nyabani primary school was another great experience. It is surprising that people in Kamwenge have taught children beekeeping as compared to the ones in Arua where beekeeping is mostly seen as an activity for the elderly. I would like to take this opportunity to thank Oxfam under the SAIL-Uganda extension project in west Nile and TUNADO for organising such an exchange visit for us to kamwenge. Thank you very much. I now intend to incorporate the knowledge i got from KABECOS into our group on how to use the B2B extension model and I pledge to replicate the same in Arua. I will also make sure that at least each member in our group has a hive to increase our production as a group. This issue of keeping bees near the home, not certain! Our bees are really aggressive. However, we shall try it out. I really encourage other beekeepers to take time off their work and visit fellow beekeepers to share knowledge and learn from each other.

First APICULTURE BUSINESS FORUM 26-27 November 2015

The Uganda National Apiculture Development Organisation (TUNADO) with support from Oxfam and Africa Agribusiness Academy organised the first Apiculture Business forum in Uganda from 26-27 November at katikatilugogo. The forum was aimed at;

- Stimulating business thinking amongst the honey value chain actors,
- Coaching, pitching and mentoring the SMEs in the honey value chain on how to grow their businesses and make them bankable and attractive to investors.
- Exposing agrifood/business opportunities for honey value chain actors and salient issues for business success
- Share knowledge on how to grow and prepare apiculture business to fit emerging markets.

The forum attracted individual beekeepers, beekeeper groups, beekeeper associations, honey cooperatives, honey processors and packing companies, equipment manufacturers, market providers (supermarkets, hotels, consumers), service providers (trainers, companies providing packaging materials) financial institutions, development partners, Government line departments (MAAIF-entomology, Uganda Export Promotion Board, Uganda National Bureau of Standards, extension workers and the private sector.

Presentations were received from Hofokam on Agribusiness Financing by Mr. Herbert Rusa, SNV on Agri Financing project by Mrs Sekamwa Irene Kajoro, Agri pro focus on The Online Agribusiness Platform by Mr. Richard Mugisha, Private Sector Foundation Uganda on The Matching Grant Facility by Mr. Mulongo Ronny, Effective Skills Development Consultants on The Agribusiness Incubation by Mr. Taremwa Joseph, Africa Agribusiness Academy on Agribusiness incubation services by Mr. Karama Farid, Uganda Export Promotion Board on Requirements for Exporting Honey by Ms. Noreen Kamoti, ICCO-Cooperation on The Agribusiness Fund by Mr. Aldo Hope and Capital shopper's supermarket on the Role of Supermarkets by Mr. James Ocham ETC were made plus a Bee business role play which depicted the provisions of financial services to farmers and finally a Bee Networking Cocktail.

A number of pilot initiatives on how to develop the apiculture sector were recommended however, TUNADO is setting a new stage and pace for real commercialization (large scale production and marketing, and increased value addition of beehive products) of the apiculture sector. Below is a summary of pilot initiatives on how the apiculture

sector can develop comprehensive business that tap into emerging opportunities and markets:

1. Strategy to substantially and sustainably increase production volumes and exploit regional and export markets. This may be achieved through:
 - Establishing a TUNADO Business Wing mainly as a platform for sellers and buyers of beehive products. During the Forum many participants indicated that they are new entrants in the sector and will soon be looking for buyers. If TUNADO is involved in providing a marketing platform for their bee products it will stimulate increased bee products production from this category of farmers.
 - Development of trading hubs acting as first link between communities and high end buyers
 - Bee product diversification in both production and trade particularly development of beeswax production and trading systems
 - Training in honey and other bee product quality assurance from the farm to the supermarket and to the customer. Addition is Creation/strengthening of customer awareness about the quality parameters of honey.
 - TUNADO should attract the emerging commercial farmers who are growing other commodities to also invest in Honey production. In this regard, TUNADO should develop a comprehensive sector profile to guide investment in the sector and use it to market the sector to local and foreign agribusiness investors.
2. TUNADO should design and undertake SME strengthening programmes, particularly in:
 - Further improvement in cooperatives, associations, groups and company organisation and governance.
 - Training in bankable business plan development for SMEs to enable them access business financing. .
 - A follow up plan on business incubation developed.
3. TUNADO should make business forum an annual event as a means to continue stimulating business thinking and providing practical information and cases on successful businesses.

Pictorial of the Forum



Mr. Herbert Rusa, Hofokam presenting on agribusiness financing



Participants listen carefully to a presentation from Hofokam



Listening Intently to a presentation from UEPB



Ms. Noreen Kamoti, UEPB presenting on requirements of exporting honey



Group Photo after the Business Forum



BEE Networking Cocktail

“I quit teaching to do beekeeping” Says OKELLO ROGERS

I started keeping bees with one locally made beehive when I was 13 years old. As a child, I would see our mother buying honey from other people and I felt that this money could be used to buy other things. That is how I came up with the idea of keeping bees. I am a former Grade III teacher and am using training skills carried over from my old profession, to demonstrate how one can make money from bees. When done the right way, bee farming can be better paying than many white collar jobs. I really have no kind words for the current education system which prepares students for white collar jobs and portrays farming as a career for failures. I am a 38-year-old farmer who quit teaching in 2005 to start keeping bees. Many people questioned my decision to abandon a safe teaching job for an uncertain future as a beekeeper. But i had made up my mind and nothing would deter me. What my detractors were not aware of was that my keen interest in bees dates back to my childhood. Later, i acquired five more local bee hives at sh25, 000 to sh30, and 000 each. “From the five hives I harvested three buckets of honey which I sold at sh4000per litre and I got sh240,



Okello in his processing unit, below, standing outside his house which is under construction

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000 which I added to what I had already saved to buy more hives and books on beekeeping," Okello adds. "Every year I would buy more beehives and currently, I have 150 hives of both local and Kenya Top Bar (KTB) type. My production has also gone up from five buckets to 2,500kgs per harvest, he reveals. Inspired by the progress I had made in a short time, I decided to join Nyabyeya Forestry College in Masindi to study a certificate course in beekeeping and later did a diploma in beekeeping at Kito Agricultural Training School in Kenya.

I sell my packed honey to supermarkets within Gulu town and the neighboring districts of Lira, Kitgum, Pader, Arua and Amuru. I also sell beehives to individuals, as well as non-governmental organisations and district institutions. A number of customers drive three kilometers from Gulu town to my shop at Koro centre on Gulu-Kampala highway to buy honey and other hive products.

Achievements; I have diversified into fruit growing using some of the proceeds from beekeeping. I have an orchard of grafted oranges and mangoes, 15,000 pawpaw seedlings for forage. The enterprising beekeeper is also building a nine-room residential house in his ancestral village of Obwola in Koro sub-county in Gulu district.



CALLIANDRA

THE MULTI PURPOSE

Calliandra calothyrsus (Red Calliandra)

Is a small leguminous tree with characteristic pink and red flowers?

Ecology: Calliandra grows in a wide range of climatic and soil conditions, under optimum conditions, it can attain a height of 6m and a trunk of diameter of 20cm. Leaves alternate, petiolate, and grow to 10-19 cm long

FLOWERING: flowering is sub terminal inflorescence with numerous long hairs like stamens with red filaments and green sepals. Flowering may start in the first year, but good fruit set in the second year but also dependent of environmental conditions. Pollination is by insects (honey bees)

BEE FORAGE: Calliandra contains bright and nice scented flowers with lots of nectar. The plant flowers last throughout the year and a very attracting to bees a reason it provides excellent bee forage.

In Uganda Calliandra is heavily grown in the districts of in Masindi, Hoima and a few parts of south western Uganda and beekeepers in these districts testify that they have witnessed an increase in hive production ever since they introduced the Multi- purpose tree in their farmland

Other services it provides

- Calliandra leaves and pods are used as fodder and do not contain any toxic substance
- Fuel: it works as a good firewood species because its fast growing, multi-stemmed and easy to regenerate when cut
- Erosion control: calliandra can be used to rehabilitate areas prone to soil erosion and recover land exhausted by agriculture
- Shade or shelter: calliandra when planted can provide a protective cover to the apiary against sun and rain
- Nitrogen fixing: the roots are able to fix atmospheric nitrogen because of the symbiosis relationship with Rhizobium bacteria



PROPAGATION

Calliandra grows on a wide range of soil types but prefers light textured, slightly acidic soils. It can tolerate infertile and compacted or poorly aerated soils but doesn't tolerate water logged and alkaline soils

PLANTING OUT

This is usually done after the seedlings have matured and ready for transplanting 3 – 4 months after sowing. Depending on the weather, 2 weeks before planting you should reduce watering to once every 2 – 3 days. By this time you should have completely removed the shading materials covering the nursery bed to prepare the seedlings to withstand the field conditions when they are transplanted.

Prepare the planting holes in advance on an appropriate site before removing the seedlings from the nursery and then remove the seedlings from the nursery. The best method involves using a sharp panga to first cut between the rows, then between the seedlings to form squares, and lastly under the seedlings so that you can lift the seedling with a cube of soil attached to the roots. This improves survival in the field.

Place a number of seedlings in a container such as a bucket or basin for safe and convenient transportation to the field. Cover the seedlings with moist cloth or paper and take them to the planting site immediately. Prepare only as many seedlings as you can plant in one hour.

Compiled by Allon Bomujuni

Api Price Watch

Harvesting equipment

Item	Specification	Cost of harvesting equipment (UGX) per Region						
		Central	Eastern	Mid - West	South western	West Nile	North	North Eastern
Complete set of Protective gear (overall, gloves, head veil and gumboots)	Nylon			155,000		150,000		250,000
	kaki	175,000	135,000		150,000		150,000	135,000
Air tight bucket	27 kg	25,000	35,000	25,000	25,000	20,000	25,000	20,000
Smoker	imported	9,500			70,000		70,000	
	Locally made	45,000	25,000	40,000	50,000	45,000	50,000	45,000
Hive tool		10,000	25,000	15,000	15,000	20,000	20,000	10,000
Honey jars	250g		500	600	500	550	500	400
	500g		650	700	700	700	700	550

Source: KABECOS, Bee house Ltd, Green and White Enterprises, East African Beekeepers Equipment Ltd, Adraa College, MEBKC, Bernard Emodoi agency limited, Delta Bees Uganda.

Period: (15th February 2016)



TUNADO

THE UGANDA NATIONAL APICULTURE DEVELOPMENT ORGANISATION

A membership & apex body for coordinating apiculture sector in Uganda

VISION

Being a vibrant membership based apex body coordinating apiculture industry in Uganda for sustainable national development.

MANDATE

Being a national apex body that coordinates initiatives of stakeholders in the apiculture industry.

TUNADO Philosophy

"We believe in promoting apiculture as a business enterprise."

Mission

To provide a national platform for stakeholders to promote and develop economically viable and environmentally sustainable apiculture industry in Uganda.

Core values

- Accountability
- Good Governance
- Innovativeness and Voluntarism
- Non discriminatory

Goal

Membership representation, advocacy, lobby and apiculture promotion.

OBJECTIVES

- To bring together all people involved in the Beekeeping industry into active and gainful commercial production of honey especially for the rural poor.
- To contribute to policy formulation and implementation processes pertaining to the apiculture industry in Uganda.

- To protect the National bee colonies from diseases, infections infestations, and interferences of a harmful nature of whatever manner, so as to maintain the productive quality of the indigenous bee species.
- To conduct research and disseminate knowledge pertaining to the apiculture industry in Uganda.
- To liaise with Uganda National Bureau of Standards, Uganda National Bureau of Statistics and any other body to monitor quality, standards and statistics of bee products.
- To collaborate with any other Beekeeping related organizations and firms all over the world hence, soliciting for local, regional and international markets for hive products.

Membership

TUNADO is a membership and national apex body mandated by the Government through the Ministry of Agriculture Animal industry and fisheries (MAAIF) to coordinate the apiculture sector in Uganda. Currently its membership is open to individuals, Institutions, Non- Government Organization, Companies and associations or other persons involved in Apiculture development in Uganda. This membership is renewed annually and is based on the following categories:-

Category	Membership Fee (UGX)
Associations, Processors Corporate membership	100,000/=
Registered Groups/CBOs	100,000/=
Individual Membership	100,000/=
Honorary Membership	FREE

Support a bee keeper

Did you know that 50 USD can train a vulnerable woman in beekeeping?

Donate now through the TUNADO account number;

Account Name : The Uganda National Apiculture Development Organization Limited.
 Account number : 95010200001852
 Bank : Bank of Baroda, Kampala Rd.
 Swift code : BARBUGKA

More information, www.tunadobees.org

Upcoming events

9th Annual General Meeting

Date: 15th April 2016
 Venue: Uganda National Farmers' Federation (UNFFE)

National Apiculture MSP

Date: 17th June 2016
 Venue: Uganda National Farmers' Federation (UNFFE)

7th National Honey Week

Date: 22nd-27th August 2016
 Venue: Forest Mall, Lugogo

Api Expo- Rwanda

Date: 21st-26th September 2016
 Venue: Kigali-Rwanda

2nd Apiculture Business Forum

Date: 17th-18th November 2016
 Venue: Kati Kati Restaurant, Lugogo

End of Year National Apiculture MSP

Date: 8th December 2016
 Venue: Uganda National Farmers' Federation (UNFFE)

International Apicultural Congress

Apimondia 2017 Istanbul Turkey

International Apicultural congress

Apimondia 2019, Montreal Canada

In proud partnership with;

