

# MODERN BEEKEEPING: CHALLENGES & PROSPECTS FOR AFRICAN NATIONS (Nigeria as a case study).

- ❑ Nature of African Bees & the natural vegetation.
- ❑ Materials & Equipment.
- ❑ Honey Hunters, Traditional Beekeepers & Modern Beekeepers.
- ❑ Research & Efforts made so far.
- ❑ Potentials & Prospects of Beekeeping in Africa.



# PRESENTER:

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- Daniel Adesina Oduntan is a Beekeeper,
- An Entomologist,
- An Author,
- A German-trained QUEEN BEE-BREEDER cum apitherapist.
- Chief Executive Officer, Institute of Vocational Beecraft.
- 1430 W River Cross Court, Apt 10, Taylorsville, Utah State, 84123.
- Tel: 801-462-5901. E-mail: [vocationalbeecraft@gmail.com](mailto:vocationalbeecraft@gmail.com).

# Inspirational Quotes on “Spirituality of Bees”.

- Beekeeping profession is a divine calling ordained by God to simply fulfill the scriptures in obedience to commandment given to bees by Almighty God, this can be found in both Quran 16: 68-69, & Bible Isaiah 7: 15, Proverb 24: 13-14, Proverb 16: 24.
- The bees are Sacred & Spiritual, & the Beekeeper is also chosen by God as the caretaker to His creation.
- Beekeeping (Apitherapy) is the future of medicine, wellness & fitness.

Daniel Adesina Oduntan (2017).

# Nature of African Bees & the natural vegetation.

- Bees in Nigeria are predominately *Apis mellifera mellifera* spp.
- African Bees are very aggressive , they are called KILLER BEES because of their nature.
- They abscond easily at slightest disturbances, or in the absence of food.
- Africa are blessed with good natural vegetation, in most cases, bees feeds on both cultivated crops & wild shrubs, weeds.





# Nature of African Bees & the natural vegetation.





# MATERIALS & EQUIPMENT

- These are the materials and equipment use to capture & culture BEES traditionally, & these are limitations to the success of beekeeping
- They are FIXED-COMB FRAMES, not MOVABLE, and difficult to manipulate.
- Naked FIRE is use for harvesting, & they never care if the bees dies.
- Harvesting is done at night, & it is of poor quality because in most cases, BROODS is harvested together with honey.





# MATERIALS & EQUIPMENT

- This is TOP-BAR HIVE for modern beekeeping.
- It is a MOVABLE-COMB FRAME hive, but very FRAGILE, & not easily to manipulate.
- It is not good & ideal for migratory beekeeping, as a result POLLINATION SERVICES can not be practiced.
- It is usually for beginner beekeepers and majorly use in Africa.



# MATERIALS & EQUIPMENT.

- SMOKER.
- BEESUIT WITH VEIL.
- LANGSROTH HIVE WITH QUEEN EXCLUDER.
- THESE ARE MOVABLE-COMB FRAME HIVE.
- MANIPULATION IS POSSIBLE.
- USE FOR COMMERCIAL BEEKEEPING.





# HONEY HUNTERS & TRADITIONAL BEEKEEPERS

- THEY DO NOT HAVE KNOWLEDGE ABOUT BEES.
- THEY USE NAKED FIRE TO HARVEST THE HONEY & TO KILL THE BEES.
- THEY HARVEST THE HONEY IN THE DARK TO AVOID THE BEES STING.
- THE TRADITIONAL BEEKEEPERS ARE HIGHLY SKILLED TO KNOW WHERE TO PUT THE HIVE & WHEN TO HARVEST THE HONEY, DESPITE THAT THE HARVEST IS OF POOR QUALITY.



# MODERN BEEKEEPERS.

- THEY KNOW THE ART & SCIENCE OF BEE REARING.
- THEY MAKE USE OF SUITABLE EQUIPMENT TO MAXIMISE THE PRODUCTION OF HONEY & OTHER BEEHIVE PRODUCTS.
- THEY TENDS BEES FOR MAXIMUM PROFITS.





# MAJOR CHALLENGES TO BEEKEEPING:

- UNWILLINGNESS OF THE BEEKEEPERS TO LEARN, & UPGRADE.
- LACK OF SECURITY FOR BEES COLONIES FROM THEFT & BUSH BURNING.
- NO GOVERNMENT SUPPORTS & BAD POLICY ON AGRICULTURE.
- NO EXPOSURE TO MODERN EQUIPMENT & TECHNOLOGY.





# RESEARCH & EFFORTS MADE SO FAR.

- AWARENESS TRAINING WORKSHOPS ON MODERN BEEKEEPING WAS ORGANIZED IN 1996.
- BEEKEEPING EXTENSION EDUCATION PROGRAM FOR ALL NIGERIAN SECONDARY SCHOOLS (BEEP) ORGANIZED IN 2001.
- PUBLISHED OF A BEEKEEPING TEXTBOOK NAMED...."THE PRACTICE OF BEEKEEPING" IN THE YEAR 2000.
- BEECRAFT CLUB WAS FORMED IN NIGERIAN SECONDARY SCHOOLS IN 2001 FOR TRAINING BEEKEEPING.
- BEECRAFT CLUB MEMBERS TRAVELED ON EXCURSION TO BEEKEEPERS SCHOOL, BAVARIA, GERMANY IN APRIL, 2011.





# RESEARCH & EFFORTS MADE SO FAR.





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# POTENTIALS & PROSPECTS OF BEEKEEPING IN AFRICA.

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- AFRICA IS ENDOWED WITH NATURAL VEGETATION & HUMAN RESOURCES FOR ORGANIC HONEY.
- THESE BEE PRODUCTS (9 PRODUCTS) CAN ESTABLISH, RETAIN, SUSTAIN & INCREASE LIFE, HEALTH & YOUR BUSINESS. IT IS THE FUTURE OF MEDICINE, WELLNESS & FITNESS.



# THANK YOU

- THE INSTITUTE OF VOCATIONAL BEECRAFT
- IS AN INTERNATIONAL CONSULTING FIRM WITH CORPORATE STRATEGY BASED ON **EMPOWERMENT THROUGH EDUCATION.**



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