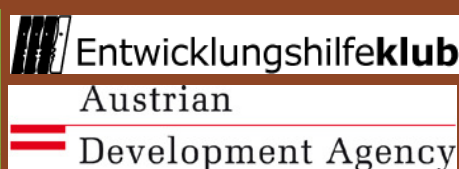


Farmer Training Centre Schedule 2014



*A Program for a Greener and
More Prosperous Future*



SAT Farmer Training Centre Schedule 2014

Date	Training Title	Target	Language	Course ID
May 19 – 23, 2014	Organic Agriculture (Basic)	Farmers	Kiswahili	SAT OA 008
Jun 23 – 27, 2014	Organic Agriculture (Basic)	Open to public	Kiswahili	SAT OA 009
Jun 30 – Jul 04, 2014	Training of Trainers (ToT)	Trainers, Facilitators and field officers	Kiswahili	SAT TOT 002
Jul 7 – 18, 2014	Permaculture Design Course with design implementation	Open to public	Kiswahili	SAT PDC 001
Jul 21 – 25, 2014	Food processing and value addition	Open to public	Kiswahili	SAT FP 001
Aug 18 – 22, 2014	Organic Agriculture (Basic)	Farmers, CBOs, NGOs, Extension officers	Kiswahili	SAT OA 010
Sep 1 – 5, 2014	Waste Management/ Composting	Open to public	Kiswahili	SAT OAWM 002
Sep 8 – 19, 2014	Permaculture Design Course (FWS)	Open to public	Kiswahili	SAT PDC 002
Sep 29 – 3 Oct, 2014	Organic Agriculture (Basic)	Farmers	Kiswahili	SAT OA 011
Oct 13 – 17, 2014	Animal Production Basic 1	Open to public	Kiswahili	SAT AP 001
Oct 20 – 24, 2014	Zero Tillage/Farming God's Way	Open to public	English & Swahili	SAT ZT 002
Oct 27 – 31, 2014	Organic Agriculture (Intermediate)	Open to public	Kiswahili	SAT OAI 001
Nov 10 – 14, 2014	Organic Agriculture (Basic)	Farmers, CBOs, NGOs, Extension officers	Kiswahili	SAT OA 012
Nov 17 – 21, 2014	Animal Production Basic 2	Open to public	Kiswahili	SAT AP 002
Nov 24 – 28, 2014	Natural Medicine (ANAMED)	Open to public	English & Swahili	SAT NM 002
Dec 1 – 5, 2014	Organic Agriculture (Basic)	Farmers	Kiswahili	SAT OA 013

Courses

Organic Agriculture Basic	2
Organic Agriculture Intermediate	3
Zero Tillage	4
Natural Medicine	5
Animal Production	6
Sustainable Integrated Waste Management	7
Permaculture Design Course (PDC)	8
Training of Trainers (ToT)	9
Attract Youth in Agriculture Camp	10
Process Food and add Value	11

Organic Agriculture Basic

With more than 5 years experience in the field of organic agriculture we have a lot to share. In these five days you will learn how to fertilize your soil and manage its fertility. Pests and diseases won't be bothering you so much afterwards, since you'll gain knowledge about botanical extracts for all sorts of pests and diseases management. In addition you will experience the power of "Sustainable Intensification". We'll facilitate you on how to manage your plot most efficient by using an integrated approach that includes crop production with livestock-keeping and forestry.

Participants will also spend their time in our farm learning by doing and see how the dry land is turning into useful fertile land.

The training will be in English and Swahili and will cover topics such as:

- Introduction to organic/sustainable farming
- Know your soil – Simple soil test (Finger and bottle methods)
- Preparing a garden (Nursery layout and care, field layout, appropriate spacing and transplanting)
- Improving soil fertility (Compost, top dressing, green manure...)
- Common problems in the field – Pests – Diseases – Weeds
- Pests, disease and weed management
- Agricultural Innovations (nine seeds per hole, portable gardens...)
- Agroforestry
- Introduction to poultry keeping

Courses:

19 th May – 23 rd May. 2014	Course ID: OA 008
23 rd Jun. – 27 th Jun. 2014	Course ID: OA 009
18 th Aug. – 22 nd Aug. 2014	Course ID: OA 010
29 th Sep. – 3 rd Oct. 2014	Course ID: OA 011
10 th Nov. – 14 th Nov. 2014	Course ID: OA 012
1 st Dec. – 5 th Dec. 2014	Course ID: OA 013

Training Fee: TZS 220,000/= per participant which includes training, materials, meals and accommodation at SAT Farmer Training Centre.

Facilitators: SAT Team (Janet, Hugo, Justine, Msafiri and Abdul)

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Application Form: [Use this link to download the application form](#)

Organic Agriculture Intermediate

For farmers who have already visited the Organic Agriculture Basic this course gives further insights into sustainable farming practices. The first part of this course is a deeper introduction into soil health and technologies which can be used to increase soil fertility. Furthermore organic pest, disease and water management are practically and theoretically taught. The course closes with different crop propagation techniques which are suitable biotechnologies for organic farmers.

This advanced course will cover topics such as:

- Soil, a living organism
- Know your soil – the simple soil test
- Macro and micro nutrients for plants
- Nutrient deficiency in plants (signs, causes and symptoms)
- Soil recovery and fertility improvement
- Compost making and Top dressing
- Organic management of pests and diseases
- Biological Nitrogen Fixation (BNF)
- Cover cropping and green manure
- Co piecing and co piecing fallows
- Tree nursery establishment
- Crop propagation techniques
- Budding, grafting, nicking corms, dividing corms and tissue culture
- Water management in the farm (contours, swales, strips, trenches)

Course:

27th Oct. – 31st Oct. 2014

Course ID: OAI 001

Training Fee: TZS 250,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the centre.

Facilitators: Janet Maro and Hugo Kunguru

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Application Form: [Use this link to download the application form](#)

Zero Tillage

Zero Tillage, which is also known as conservation agriculture or Farming God's way is an agriculture practice that is becoming more and more popular. You will be introduced in this ecologically friendly practice of cultivating your farm by Joshua Moose of Joshua Foundation. Joshua has already several years experience. This approach has shown that you can get a lot out of it, come and see how.

During these days you will get into:

- Farming God's Way Intro
- God's All Sufficiency
- Bringing the Tithes and Offerings to God
- Step by Step Procedure
- Sowing and Reaping
- Why we do what we do
- Experiments
- Management
- Acknowledge God and God Alone
- Consider Your Ways
- Stake your claim
- Well Watered Garden

Course:

20th Oct. – 24th Oct. 2014

Course ID: ZT 002

Training Fee: TZS 250,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the centre.

Facilitators: Joshua Moose and Hugo Kunguru

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Application Form: [Use this link to download the application form](#)

Natural Medicine

Do you know the power of herbs? Do you know that plants are not only for food but also for medicine? Tanzania is rich in plants that can be used as natural medicine and Dr. Feleshi from ANAMED Tanzania will show you how to use them. The course gives you a basic introduction of cultivation, and preparation and usage of medicinal plants. Moreover you will afterwards know how to extract natural oils and to prepare high quality soap. So let's stay healthy and be prepared to start your cosmetic business.

The aims of this training seminar are to train you in:

- The recognition, knowledge and cultivation of several medicinal plants in a medicinal garden
- The hygienic production of effective **Natural Medicines** from these plants, e.g. teas, different **medicinal oils** and **ointments** and **tinctures**. We will also produce different **soaps**, medicinal charcoal, black stones for snake-bites and learn how to use several simple technologies
- The treatments of many medical complaints and diseases, including malaria, skin problems, diarrhoea, HIV/AIDS and wounds
- The influence of good nutrition and lifestyle on health

Following the seminar, we expect the participants to:

- e) Create their own garden of medicinal plants,
- f) prepare their own natural medicines,
- g) treat themselves, their families and others within their area of competence, and
- h) teach their families, colleagues and others in their communities.

Course:

24th Nov. – 28th Nov. 2014

Course ID: NM 002

Training Fee: TZS 300,000/= This is an all inclusive price, and includes food, accommodation, books, some seeds, a poster and all training materials. Transport costs and any insurance required remains the responsibility of the participant. If participants require more books and posters for their project, they will be available for sale at a reduced price during the seminar.

Facilitators: Dr. Feleshi and Janet Maro

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Animal Production

Livestock keeping and crop production can coexist very well since an integrated approach is the key to establish a closed nutrient management cycle. Fresh fish, meat, milk and honey are products which can increase the household income for a small scale farmer significantly. To run a livestock enterprise successfully good management practices are needed. The course gives introduction into animal health, feeding, housing and general production.

In 2014 two Animal Production courses will be conducted both contain a basic introduction which includes:

- Animal health
- Medicinal plants for various animal diseases and vaccinations
- Control of ticks in livestock using natural remedies
- Animal housing
- Livestock feeding (Ruminants & non-ruminants)
- Hydroponics
- Silage preparation

And a choice of different special topics in course I & II

SAT AP 001	SAT AP 002
<ul style="list-style-type: none">○ Introduction to poultry production○ Introduction to rabbit production○ Introduction to fish farming	<ul style="list-style-type: none">○ Introduction to beekeeping○ Introduction to dairy production

13th Oct. – 17th Oct. 2014

Course ID: AP 001 (*Poultry, rabbit and fish*)

17th Nov. – 21st Nov. 2014

Course ID: AP 002 (*Beekeeping and dairy*)

Training Fee: TZS 350,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the centre.

Facilitators: Richard Gombe and Janet Maro

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Application Form: [Use this link to download the application form](#)

Sustainable Integrated Waste Management

Is waste equal waste? NO! Experts from Kenya (among them the Organic farming legend Molly Njeru and experts from KOATEC institute – Titus Muchangi) will show you how to get the most out of it. In these 5 days you will experience several composting technologies from kitchen and garden waste, using Effective Microorganisms (EM) technology for agriculture, environment and livestock, how to make organic charcoal or char from paper, how to produce valuables from old cloth, plastic bags, old braids and all sorts of waste.

The training will cover topics such as:

- Sustainable urban solid and liquid waste management (Compost making and waste water management), urban and peri-urban agriculture and environmental management practices.
- Effective Microorganisms (EM) Technologies in organic agriculture, waste management and health.
- Organic compost (Bio-fertilizer) making techniques using market garbage
- Charcoal making using waste (Briquettes, char)
- Organic agriculture and livestock management practices
- Appropriate value addition technologies
- Appropriate technologies for rural development
- Multi-story/portable garden making

Course:

1st Sep. – 5th Sep. 2014

Course ID: OAWM 002

Training Fee: TZS 400,000/= per participant, the fee is inclusive of training and materials, accommodation and meals at the centre.

Facilitators: Molly Njeru, Titus Muchangi and Janet Maro

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Permaculture Design Course (PDC)

We are proud to introduce our first PDC. The **Permaculture Design Course (PDC)** course is an internationally recognized, minimum seventy-two hour course (two weeks) resulting in a Permaculture Design Certificate. It provides an introduction to permaculture design as set forth by movement founder **Bill Mollison**. This 2 weeks intensive course in Swahili will equip you with the holistic design thinking and skills to create resilient, synergistic systems for living and working with the community. A special emphasis will be on the tropics and drylands. By observing nature we can use natural patterning to make holistic designs and implement ideas and systems that build on natural processes with energy efficient, low cost and high yielding results. We expect that our PDC graduates will leave this course ready to design and implement permaculture into a wide range of scenarios; from urban permaculture systems to small farms and community projects.

1 st Week	2 nd Week
<ul style="list-style-type: none">• Day 1: Foundations of Permaculture• Day 2: Design for Pattern Literacy• Day 3: Thinking like a Watershed• Day 4: The Path to Water Wisdom• Day 5: Soil: The Living Skin of the Earth• Day 6: A Revolution Disguised as Gardening	<ul style="list-style-type: none">• Day 7: Food, Forests, Guilds and Ecosystems• Day 8: The Built Environment• Day 9: Energy and Tools for Working Wisely• Day 10: Ecovillages, Community and Thinking Globally• Day 11: Green Economics and Right Livelihood• Day 12: Putting it Together: The Design Project

The trainers:

Nicholas works for Permaculture Research Institute (PRI) Kenya as a lead trainer part-time, being engaged as a Project Manager for Nyumbani Village and also pursuing his PHD at the University of Nairobi. Nicholas has long standing teaching, research and community development experience with a specific focus on food forests in the drylands.

Janet, a SUA graduate, is originally from Kilimanjaro where the successful traditional Chagga farming systems have inspired modern permaculture. Together with other SAT staff, they have trained more than 3,000 farmers, extension officers, school and university students as well as individuals from all over Tanzania on organic and sustainable agriculture. She did her PDC with Nicholas in 2013 and her permaculture teacher trainer with Warren Brush of Quail Springs Permaculture in 2014.

Course:

7th Jul. – 18th Jul. 2014

Course ID: PC 001

Training Fee: TZS 450,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the center.

Facilitators: Nicholas Syano and Janet Maro

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Application Form: [Use this link to download the application form](#)

Training of Trainers (ToT)

You want to become a successful facilitator in agriculture? We build up your capacity to work in the field and give your best to your participants. Learn how to prepare sessions, conduct sessions, evaluate sessions make your sessions interesting and participatory, learn how to probe and get more from you participants as you build up their knowledge, skills, understanding and attitudes. Let us help you bring out your full potential for a trainer or facilitator.

In this week you become familiar with:

- Designing a training session
- Pace and content of sessions
- Combination of different training inputs
- Oral questioning
- Dealing with different types of learners
- Giving and receiving feedback
- Storytelling to enhance the learning process
- Board work (Flip chart)

We use as well a broad set of Participatory Rural Appraisal (PRA) methods like mapping, ranking, role play, river code, cloud dreamer, poor presentation, group formation, dynamics and management.

Course:

30th Jun. – 4th Jul. 2014

Course ID: ToT 002

Training Fee: TZS 450,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the centre.

Facilitators: Janet Maro and Hugo Kunguru

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Application Form: [Use this link to download the application form](#)

Attract Youth in Agriculture Camp

This very interesting and fun training is intended to accommodate youth for week long courses where they will get in a friendly atmosphere familiar with sustainable agricultural practices and life skills. Objective is to make farming attractive as a business for youth. Hereby SAT facilitators will interact on a horizontal level to empower the participants. Through this youth centred approach and with other activities like disco, karaoke and football the participants will on one hand enjoy their stay at the SAT farm and on the other hand will gain useful knowledge to make something out of their lives.

This week will include:

- Establishment of Vegetable Gardens in Rural and Urban Areas
- Establishment of Tree Nurseries
- Introduction into Entrepreneurship
- Useful Live Skills
- Management of Waste
- Funny and attractive activities apart from the training

DATE NOT YET FIXED

Course ID: AY 001

DATE NOT YET FIXED

Course ID: AY 002

Training Fee: TZS 150,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the centre.

Facilitators: SAT Facilitators

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Application Form: [Use this link to download the application form](#)

Process Food and add Value

Processed and value added products fetch a higher price, can be stored for a longer time and need less space. This course will introduce participants to different value addition and food processing techniques. It is made to cater for farmers, small and medium enterprises and those who would like to venture into food processing and value addition.

The topics of the Process Food and add Value course include:

- Post harvest handling
- Hygiene and sanitation in food processing
- Standards for food processing
- Sorting and grading of fruits and vegetables
- Preparation of fruits and vegetables for processing
- Production of fruit marmalade (jam)
- Production of peanut flour and peanut butter
- Solar drying of fruits and vegetables
- Mushroom production
- Packaging and packaging material
- Branding and labelling

Course:

21st Jul. – 25th Jul. 2014

Course ID: FP 001

Training Fee: TZS 250,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the centre.

Facilitators: Rashid Fufumbe, SIDO facilitators and Mwabby

Venue: SAT Training Centre in Vianzi (approx. 20km from Morogoro city)

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 (0) 754 925560, bustani.tushikamane@gmail.com

Application Form: [Use this link to download the application form](#)

Sustainable Agriculture Tanzania (SAT) is a vibrant association in networking, promoting, advocating, undertaking and facilitating Sustainable Agriculture through Research, Dissemination and Application. It is formed so as to run the activities of the project Bustani ya Tushikamane (ByT). SAT aims at providing appropriate information and guidance to farmers on technologies, innovations and practices that improve food security in a sustainable, socially, economically and environmentally friendly manner.

SAT Training Centre was officially opened on 14th September 2013 and a series of eight trainings which were attended by over 180 participants followed. The feedback from the participants has been very positive and encouraging.

For 2014 we have interesting courses which range from organic agriculture basic, intermediate and animal production to food processing.

We are hosting trainings for Farmers, Youth, Extension and Field Officers, NGO workers and the community at large on organic and sustainable agriculture theory and practice.

General provisions

Qualifications: Our courses are designed to cater for all sorts of participants (from the individual without any agricultural knowledge or background to the farmer with years of experience and to the university graduate). Our courses are both theoretical and practical, the theoretical part is about 40% and the practical part about 60% therefore be prepared for working with your hands.

Payment of the fee: In advance (except by special arrangement) to SAT in Morogoro. If you want to pay in foreign currency please contact Janet Maro for current exchange rates.

Partial sponsorships are available on request. Please indicate if you need a sponsorship.

If you sponsor a participant, please pay the fee in advance into the account that you will be given. Please inform your sponsored participant(s) that SAT will not pay any transport costs or "**allowances**", sometimes called "**per Diem**".

N:B; The Permaculture Design Course (PDC) in July will be followed by the actual implementation of our permaculture design at SAT farm: if you are interested to participate in the design implementation, contact us for further details.

We also organize tailor made courses for organizations and groups depending on needs and requirement. Contact us for any special requests for courses.

Our training approach is based on training and mentorship by master trainers and our practical experience of more than 5 years working directly in the field of organic and sustainable agriculture is an added advantage.

Interested in our trainings? Contact us for bookings at:

Email: bustani.tushikamane@gmail.com

Homepage: www.kilimo.org

Mobile: +255/754 925560