

Farmer Training Centre 2015



SAT **TANZANIA**
Sustainable Agriculture



SAT Farmer Training Centre Schedule 2015



Sustainable Agriculture Tanzania (SAT)

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SAT is supported by



Date	Training Title	Target	Language	Course ID
April 20 – 24 2015	Organic Agriculture (Basic)	Open to public	Kiswahili	OA 014
May 11 - 15 2015	Organic Agriculture (Basic)	Open to public	Kiswahili	OA 015
May 18 – 22 2015	Food processing, value addition & bee keeping	Open to public	Kiswahili	FPBK 001
Jun 15– 19, 2015	Training of Trainers (ToT)	Trainers, Facilitators and field officers	Kiswahili	TOT 003
Jul 6 –17, 2015	Permaculture Design Course with design implementation	Open to public	Kiswahili	PDC 002
Jul 27 – 31, 2015	Food processing and value addition	Open to public	Kiswahili	FP 002
Aug 31 – 4 Sep, 2015	Waste Management/ Composting	Open to public	Kiswahili	OAWM 003
Sep 14– 18, 2015	Attract Youth to Agriculture Camp	Open to public	Kiswahili	AY 002
Sep 21 – 25, 2015	Organic Agriculture (Intermediate)	Open to public	Kiswahili	OAI 001
Oct 12 – 16, 2015	Animal Production Basic poultry/rabbit/fish	Open to public	Kiswahili	AP 001
Oct 19 – 23, 2015	Zero Tillage/Farming God's Way	Open to public	English & Swahili	ZT 003
Nov 2 – 6, 2015	Organic Agriculture (Basic)	Open to public	Kiswahili	OA 016
Nov 9 – 13, 2015	Animal Production Basic Beekeeping/dairy	Open to public	Kiswahili	AP 003
Nov 23 – 27, 2015	Natural Medicine (ANAMED)	Open to public	English & Swahili	NM 003
Nov 30 – 4 Dec, 2015	Organic Agriculture (Basic)	Open to public	Kiswahili	OA 017

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Organic Agriculture Basic

With more than 5 years experience in the field of organic agriculture we have a lot to share. Using an integrated approach that combines crop production with livestock-keeping and forestry we can help you manage your plot most efficient. In these five days you will learn how to increase and manage soil fertility, control pests and diseases by the help of botanical extracts and increase your yields by applying techniques of “Sustainable Intensification”. Participants will 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 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...)
- Pests, disease and weed management
- Agricultural Innovations (nine seeds per hole, portable gardens...)
- Agroforestry
- Introduction to poultry keeping

Courses:

20th Apr. – 24th Apr. 2015

Course ID: OA 014

11th May – 15th May 2015

Course ID: OA 015

2nd Nov. – 6th Nov. 2015

Course ID: OA 016

30th Nov. – 4th Dec. 2015

Course ID: OA 017



Training Fee: TZS 230,000/= per participant which includes training, materials, meals and accommodation at SAT Farmer Training Centre.

Facilitators: SAT Team (Janet, Hugo, Justine, Mbwana & Mhando)

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

Apply to: Sustainable Agriculture Tanzania (SAT), P.O.Box 6369, Morogoro, +255 754 925560, info@kilimo.org

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

Organic Agriculture Intermediate

For farmers, extension and field officers 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. Organic pest and disease management are practically and theoretically taught. Furthermore water management techniques will be an important focus of this course. The course closes with various 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 Liquid fertilizers
- Vermicomposting
- Organic management of pests and diseases
- Cover cropping and green manure
- Tree nursery establishment
- Crop propagation techniques such as budding, grafting and tissue culture
- Water management in the farm (contours, swales, strips, trenches)

Course:

21st Sep. – 25th Sep. 2015

Course ID: OAI 001

Training Fee: TZS 350,000/= 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)

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Zero Tillage

Zero Tillage, combines conservation agriculture and Farming God's way, in an agriculture practice that is becoming more and more popular. In this course we will introduce you to the theoretical background and principles of conservation agriculture, especially the relationship between agriculture and environment conservation, and also give you an insight to ecological farming practices. Soil management receives special attention, participants will learn about major soil types, production of natural fertilizers and water conservation. Furthermore sustainable farming techniques which will help you control pests and diseases while increasing your yields will be taught. During these days you will get into:

- Farming God's Way Intro
- Step by Step Procedure
- Sowing and Reaping
- Conservation agriculture
- Relationship between agriculture and environmental conservation
- contour farming
- cover-cropping
- crop rotation
- intercropping
- Soil, the living thing
- Organic fertilizers (Compost, green manure, liquid fertilizers)



Course:

19th Oct. – 23th Oct. 2015

Course ID: ZT 003

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

Facilitators: Abraham, Peter and Hugo

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

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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
- Production of effective **Natural Medicines** from these plants, e.g. teas, different **medicinal oils** and **ointments** and **tinctures**
- Production of different **soaps**, medicinal charcoal, black stones for snake-bites
- Treatments of various complaints and diseases, including malaria, skin problems, diarrhoea, HIV/AIDS and wounds
- The influence of good nutrition and lifestyle on health

Following the training, we expect the participants to:

- Create their own garden of medicinal plants,
- Prepare their own natural medicines,
- Treat themselves, their families and others within their area of competence, and
- Teach their families, colleagues and others in their communities.

Course:

23rd Nov. – 27th Nov. 2015

Course ID: NM 003

Training Fee: TZS 350,000/= 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)

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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 – an essential principle of organic farming. 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
- Vaccinations
- Control of ticks in livestock using natural remedies
- Animal housing
- Livestock feeding (Ruminants & non-ruminants)
- Hydroponics
- Silage Preparation
- Sustainable Pasture Management



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

SAT AP 001	SAT AP 003
<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

12th Oct. – 16th Oct. 2015

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

9th Nov. – 13th Nov. 2015

Course ID: AP 003 (*Beekeeping and dairy*)

Training Fee: TZS 320,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the centre.

Facilitators: Richard Gombe, Gilbert Mhando and Janet Maro

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

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Sustainable Waste Management

Does 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:

31st Aug. – 4th Sep. 2015

Course ID: OAWM 003

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)

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Permaculture Design Course (PDC)

We are proud to introduce our 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 held 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: Water Day 4: Food, Forests, Guilds and Ecosystems Day 5: Soil: The Living Skin of the Earth Day 6: Gardening 	<ul style="list-style-type: none"> Day 7: Design for disaster Day 8: Dry land strategies 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 trainer:

Janet Maro, 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 Syano of PRI Kenya in 2013 and her permaculture teacher trainer and advanced permaculture consultancy with Warren Brush of Quail Springs Permaculture in 2014 and 2015 respectively.

Course:

6th Jul. – 17th Jul. 2015

Course ID: PC 002

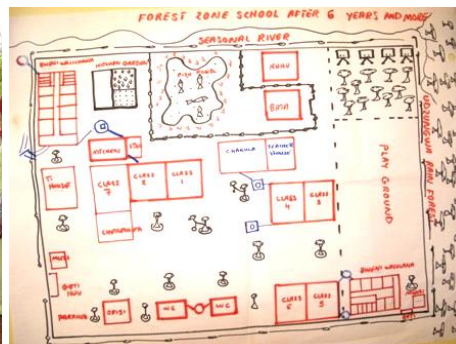
Training Fee: TZS 500,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the center.

Facilitators: Janet Maro and the SAT team

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

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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. Field visits to see good facilitation in the community will be carried out.

Course:

15th Jun. – 19th Jun. 2015

Course ID: ToT 003



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)

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Attract Youth in Agriculture Camp

This 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 sports and games 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 to Entrepreneurship
- Saving and lending in groups
- Soap making (Liquid & Bar)
- Food processing and value addition
- Useful Life Skills
- Management of Waste
- Sports and recreation



Camp: 14th Sep. – 18th Sep. 2015 Course ID: AY 002

Training Fee: TZS 200,000/= 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)

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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 labeling



Course:

18th May – 22nd May 2015
27th Jul. – 31st Jul. 2015

Course ID: FPBK 001 (*includes introduction to beekeeping*)
Course ID: FP 002

Training Fee: TZS 280,000/= per participant, the fee is inclusive of training, materials, accommodation and meals at the centre.

Facilitators: Rashid Fufumbe, Joan Stephen and Mzee Diwani

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

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Sustainable Agriculture Tanzania (SAT) is a vibrant association in networking, promoting, advocating, undertaking and facilitating Sustainable Agriculture through Research, Dissemination and Application. 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 has run a series of twenty eight trainings which were attended by over 610 participants from Tanzania, Germany, Kenya and Sweden. The evaluation and feedback from the participants has been encouraging and makes it possible to improve on the quality of services offered by SAT.

For 2015 we have interesting courses which range from organic agriculture basic, intermediate and animal production to food processing and waste management. Vermicomposting and green house farming will be introduced at the training centre for learning and demonstration.

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**", also known as "**per Diem**".

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.