



From Balcony to Green Future



# Learning to Grow Vegetables and Fruits on Balconies and Terraces: A Comprehensive Workshop

Presented by Shelter International e.V.

November 10-14, 2025, 10 AM - 5 PM



Funded by the  
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# Workshop Agenda

An overview of our 5-day program



Climate  
Foundations and  
Gardening Basics



DIY Tools for Urban  
Gardening



Soil Science and  
Plant Nutrition  
Techniques



Natural Fertilizer  
Production  
Methods



# Workshop Overview

## Day 1



Explore climate impacts on local agriculture fundamentals.

## Day 2



Hands-on DIY tool creation using recyclable materials.

## Days 3-4



Learn about soil science and nutrition techniques.

## Day 5



Produce organic fertilizers through collaborative methods.





# Climate Change Impacts

## Understanding Essential Gardening Tools

- Increased pest and disease issues
- Diminished soil quality and fertility
- Essential tools for balcony gardening
- Adapting gardening practices effectively



# Creating Tools from Waste Materials

## Practical Solutions for Urban Gardening

Participants engage in a hands-on session, transforming waste materials into essential gardening tools, fostering creativity and sustainability while enhancing their urban balcony gardening skills for climate adaptation.



# DIY Gardening Tools Workshop Techniques

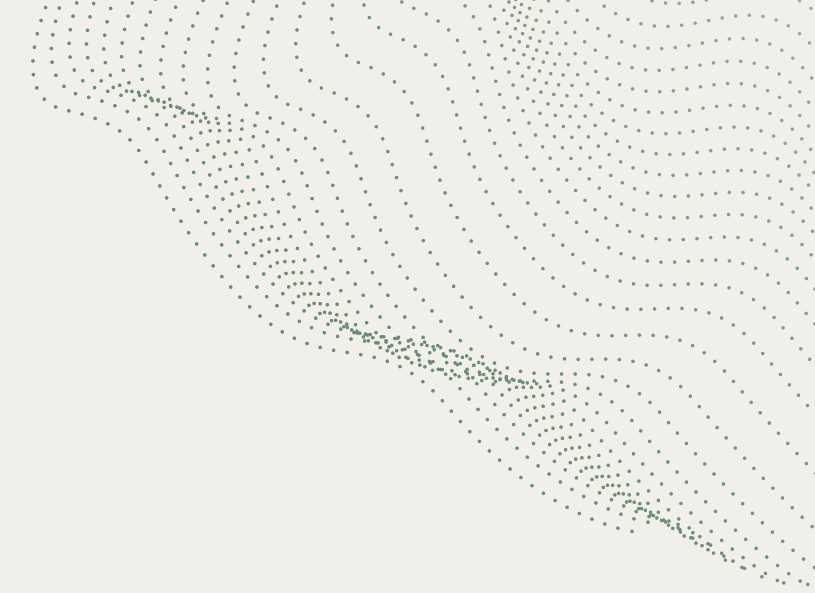


## Tools

Create effective gardening tools from waste materials.



# Soil Mixtures & Nutrition



## Custom Soil

Creating tailored soil mixes enhances plant growth effectively.

## Fertilizer Use

Utilizing natural fertilizers improves soil health sustainably.

## Plant Nutrition

Understanding essential nutrients is vital for healthy plants.

## Urban Application

Practical techniques suit small urban gardening spaces effectively.



# Soil and Nutrition

Understanding Plant Health for Urban Gardening

## Soil Mixtures

Creating custom soil mixes enhances **plant growth** and health, ensuring optimal drainage and nutrient retention, essential for urban gardeners with limited space and resources.

## Composting Techniques

Two efficient composting methods, traditional compost piles and safe animal manure use, provide sustainable solutions for urban gardening, improving soil structure and nutrient content.

## Nutrient Management

Understanding plant nutrition basics, including essential nutrients and natural fertilizers, empowers urban gardeners to facilitate healthier plants and sustainable gardening practices in limited spaces.



# Soil Preparation for Urban Gardening



## **Nutrition**

Essential for healthy plant growth and sustainability



# Natural Fertilizer Production Techniques



## Bokashi

**Bokashi fermentation** is a method for recycling organic waste.



## Composting

**Balcony composting** helps in minimizing kitchen waste effectively.



Climate change significantly impacts agricultural productivity.

# 30%

Increase in crop loss due to climate change

Recent studies indicate that climate change is causing a **30% increase** in crop losses across Europe, leading to significant food security concerns. This alarming statistic underscores the urgency for urban residents to adopt sustainable practices like balcony gardening. By cultivating their own food, participants can play a vital role in mitigating these impacts while promoting local biodiversity and resilience against climate adversity.



# Sustainability Benefits of Urban Gardening

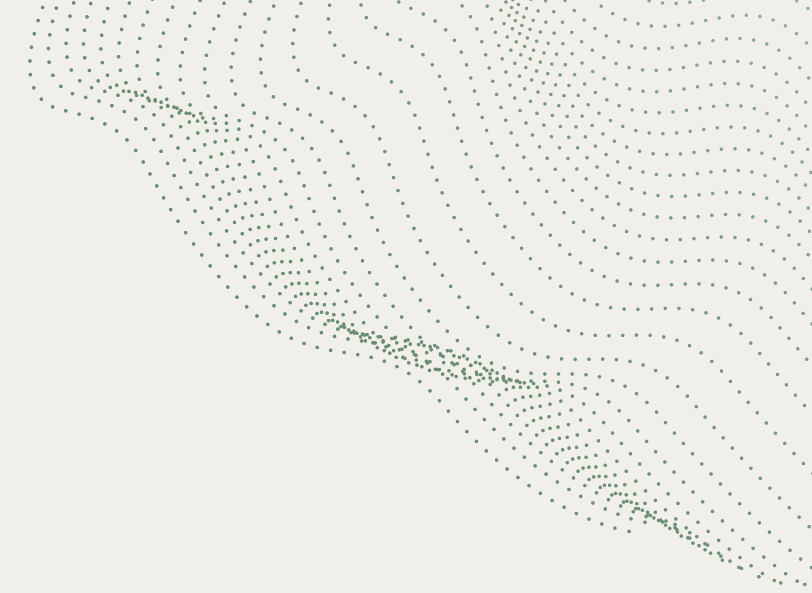


## Waste

Reducing waste through recycling and gardening practices.



# Learning Outcomes



## Setup

Participants will efficiently **set up their balcony gardens**.

## Tools

Participants can creatively **make tools from recycled materials**.

## Nutrition

Participants will manage **soil and plant nutrition effectively**.

## Composting

Participants will produce **natural fertilizers through composting**.

## Sustainability

Participants will commit to **sustainable urban gardening practices**.



Thank you for  
your  
participation!

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