Lean Market Growing Masterclass Lesson Plan

Lean Farm Foundations

Welcome to Lean Farm Foundations
An Intro to Lean Farming and Clay Bottom Farm
Key Practice #1: Organize with 5S
Key Practice #2: Precisely Identify Value
Key Practice #3: Eliminate 10 Wastes Part A
Key Practice #3: Eliminate 10 Wastes Part B
Key Practice #4: Practice Kaizen (continuous improvement)
Bonus Lesson: An Interview with Ben Hartman by Diego Footer
Bonus Lesson: The Task Management Board, with Diego Footer
Downloads – PDF Supplements: Kanban Maps, Heijunka Calendar, Veg per Square Foot, Value

Intro to Lean Market Growing

Welcome to Lean Market Growing Finding New Land Finding Customers Setting Prices Planning the Farm Year Accounting and Record Keeping Workers on the Farm Finding New Land Case Study with Amanda and Adam Dilley Bonus Lesson: Talking Employees, with Diego Footer Applying Lean Math to Compact Farming with Diego Footer

Cutting Edge Tools

Welcome to Cutting Edge Tools Hand Tools Knives and Pruners Paper Pot Transplanter BCS Jang Seeder Tractor Quick Hitch New Tool – Hoss Sweeps New Tool – Greens Harvester Bed Shaper Chisel Plow Gator Plot Skid Loader

Clay Bottom Farm

Sprayer Bonus Tools – Kondo It!

Greenhouses, Processing Rooms and Other Infrastructure

Welcome to Greenhouses, Processing Rooms and Other Infrastructure Barn House Outside Tour with Diego Footer **Propagation House** Prop House – Ventilation Controls and Layout **Germination Chamber** Setting up the Processing Area **Hosing Station** Wash and Pack Area Packing Station Processing Room under Construction **Cooler Rooms Irrigation Systems Driveways and Access Lanes** Greenhouse Design Part 1 Greenhouse Design Part 2 **Greenhouse Design Part 3** Bonus: Greenhouse Video with Diego Footer Bonus: Spring 2019 Greenhouse Tour Bonus: Tour of Finished Processing Room Bonus: Shade House

Farm Layout, Bed Preparation, and Cover Cropping

Welcome to Farm Layout, Bed Preparation, and Cover Cropping Preparing New Ground Preparing New Ground Summary Points Laying out Plots and Beds Field Discussion – How to Prepare Beds 5 Step Flipping Bed Hierarchy Field Discussion – 5 Step Flipping Bed Hierarchy Bed Flipping Demos Field Discussion – No-till Ideal Laying out Greenhouses Lean Cover Cropping Bonus: How We Laid out the Farm Bonus: Why and How We Moved Bonus: Spring 2019 Field Tour

Lean Compost Making

Welcome to Lean Compost Making



Intro to Soil Health and Composting Compost Making Leaned Up Two Types of Compost Starting a Compost Heap Mulching with Compost Turning Compost Field Demo

Seeding

Welcome to Seeding Direct Seeding Tips Seeding Plastic Plug Flats Germination Chamber Tips for Germination and Seedling Care Hand Transplanting Tips

Paper Pot Magic

Welcome to Paper Pot Magic Paper Pot Transplanter Intro Our Paper Pot Seeding Set Up Paper Pot Transplanting Demo Bonus: Seeding Paper Pot Chain Demo Bonus: Paper Pot Lesson with John Hendrickson Cheat Sheet and Summary Slides

No-Weed Farming

Welcome to No-Weed Farming Weed Management Strategies Hand Weeding in the Field The Tine Weeder in the Greenhouse The Tine Weeder in the Field Bonus: Recap of Weed Strategies

Tomato Masterclass

Welcome to Tomato Masterclass Tomato Variety Selection Tomato Seeding Tomato Potting Up Tomato Transplanting Tomato Pollination Bonus: Ben Opens a Bee Hive Tomato Setup for Indeterminates Bonus: Indeterminate Trellising with Diego Footer Tomato Indeterminate Trellising

*) Clay Bottom Farm

Tomato Determinate Trellising Bonus: High Staking Method Tomato Sucker Pruning Tomato Fertility Tomato Diseases and Insects Tomato Harvesting

Five Best-Selling Crops

Welcome to Five Best-Selling Crops Salad Greens Carrots Turnips Head Lettuce and Romaine Kale

Other High Profit Crops

Welcome to Other High Profit Crops Beets Pea Shoots and Microgreens Green Onions Basil Peppers Beans Bulb Fennel Cucumbers Garlic Ginger Zucchini

New and Live Content

Fall 2021 Lean Training Series Session 1 – Jumpstart Your Lean Market Farm Fall 2021 Lean Training Series Session 2 – Setting up Lean Farm Infrastructure Fall 2021 Lean Training Series Session 3 – Cutting Edge Growing Techniques for Tomatoes, Lettuce, Herbs, and More Greenhouse Construction Part 1 – Layout and Overview Greenhouse Construction Part 2 – Measurements and Setting Posts Greenhouse Construction Part 3 – Building Arches Greenhouse Construction Part 4 – Greenhouse Framing Greenhouse Construction Part 5 – Finishing Packaging for Wholesale Accounts A T Trellis for Cherry Tomatoes Do I Need to Shade My Greenhouse? Summer 2021 Field Tour

Clay Bottom Farm

Summer 2021 Tomato Greenhouse Tour Plant Fertility – Side Dressing An Updated Germination Chamber Live Q&A with Ben, April 2021 – USAID and Lean Tips for Seeding and Germination Live Q&A with Ben, January 2021 – New Developments and Farm Financials Clay Bottom Farm Financials Ben's Charts Cutting-edge Tools for Market Growers Making and Using Compost How We Run Our No-contact, No-waste Home Delivery CSA Program New Strategies for Lean No-till Bed Preparation

