



Greenhouse Technology II - Hydroponics (HAG2212B)

NDCDE Resources

Welcome: Start Here!

Introduction to Hydroponic Crop Production

Introduction to Hydroponic Crop Production Study Guide

Introduction to Hydroponic Crop Production E-Chapter

Introduction to Hydroponic Crop Production PPT

Lab 1: Finding Hydroponic Produce

Hydroponics Systems from University of Massachusetts at Amherst

Video: Arizona Gutter System for Greenhouse Strawberry Production Video

Introduction to Hydroponic Crop Production Worksheet

Lab 2: Propagating Seedlings for Hydroponic Production

Unit 1: Introduction to Hydroponic Crop Production Quiz

Unit 2: Feeding Hydroponic Plants

Feeding Hydroponic Plants Study Guide

Feeding Hydroponic Plants E-Chapter

Lab 3: Water pH Testing

Grow Your Own Vegetables Without Soil

Home Hydroponics

Arizona University's Fertilization & Pollination E-Chapter

Video: Arizona University Pollination of Strawberries in Greenhouses

Feeding Hydroponic Plants Worksheet

Unit 2: Feeding Plants Unit Quiz

Unit 3: Hydroponic Growing Mediums

Hydroponic Growing Mediums Study Guide

Lab 5: Porosity of Soilless Growing Mediums

Video: Hydroponic Media Guide: What Should You Use?

Growing Mediums for Home Hydroponics Systems

Rockwool as a Substrate for Hydroponic Growing Medium

Hydroponic Growing in Perlite

Soilless Media Choices

Lab 6: Testing pH Through Soilless Growing Medium

Water Culture Hydroponic Systems

Hydroponic Growing Medium Worksheet

Unit 3: Hydroponic Growing Medium Unit Quiz

Unit 4: Water Culture vs. Aggregate Culture Systems

Water Vs Aggregate Culture Systems Study Guide

Water Culture Hydroponics Systems E-Chapter

Simply Hydroponics: Water Culture Systems
K-State University's Hydroponic Systems E-Chapter
University of Illinois Extension-Water Culture and Aggregate Culture Systems
Aggregate Culture Hydroponics Systems
Hydrofarm's "Rockwool as a Substrate"
Hydroponic Growing in Perlite: Why and How
Check-In: Water Culture vs. Aggregate Culture Systems Writing Assignment
Unit 4 Worksheet
Unit 4: Water Culture Vs. Aggregate Culture Unit Quiz

Unit 5: Wicking Hydroponic Systems

Wicking Hydroponic Systems Study Guide
Epic Gardening-Wicking System
Video: Wicking System Tutorial
Home Hydroponic System: Wick Systems
Lab 7: Building a Hydroponic Wick System
Video: Automatic Watering System for Wicking Barrels
Permaculture Research Institute: DIY Wick Systems
Wick System Hydroponic Gardens
Unit 5 Worksheet
Unit 5: Wicking Hydroponic Systems Quiz

Unit 6: Deep Water Culture (DWC) Hydroponics Systems

Deep Water Culture Hydroponic Systems Study Guide
Epic Gardening: Deep Water Culture Systems
Video: Deep Water Culture (DWC) System
Lab 8: Deep Water Culture System
Water Culture Hydroponic Systems
University of Kentucky Hydroponic Ponds
Determining Reservoir Size
Unit 6 Worksheet
Unit 6: Deep Water Culture (DWC) Hydroponics Systems Quiz

Mid-Term Exam

Mid-Term Exam

Unit 7: Nutrient Film Technique (NFT) Hydroponic Systems

Nutrient Film Technique (NFT) System Study Guide
Epic Gardening: Nutrient Film Technique System
Lab 9: Nutrient Film Technique Hydroponic System
Video: Nutrient Film Technique Hydroponic System
Hydroponic N.F.T Systems
Food and Fertilizer Technology Center: N.F.T Systems
University of Kentucky Hydroponic Lettuce
Unit 7 Worksheet
Unit 7: Nutrient Film Technique (NFT) Hydroponic Systems Quiz

Unit 8: Ebb and Flow (Flood and Drain) Hydroponic Systems

Ebb and Flow System Study Guide
Epic Gardening: Ebb and Flow Hydroponic Systems
Video: Ebb and Flow Hydroponics System
Home Hydroponics Ebb and Flow Systems
Video: Ebb and Flow Hydroponic System Explained!
Lab 10: Build Your Own Ebb and Flow System

Just for Growers-How to Build an Ebb and Flow
10 Golden Rules of Ebb and Flow Systems
Epic Gardening: Build an Ebb and Flow system
Ebb and Flow System Worksheet
Unit 8: Ebb and Flow (Flood and Drain) Hydroponic Systems Quiz

Unit 9: Drip Hydroponic Systems

Drip System Study Guide
Epic Gardening: Drip Irrigation Hydroponics System
Texas A & M University's Drip Irrigation System
Video: DIY Dripper Hydroponics System
Lab 11: Simple Drip Hydroponics System
Home Hydroponics Drip System
Hydroponics 101: Drip Systems
Video: Drip Irrigation & Drip Timing
Drip Hydroponic System Worksheet
Unit 9: Drip Hydroponic Systems Quiz

Unit 10: Selecting Hydroponic Crops

Selecting Hydroponic Crops Study Guide
Lab 12: Selecting Hydroponic Crops
Arizona University "Plant Structure" E-Chapter
Video: Hydroponic Herb Garden Guide
Best Hydroponic Plants
Video: Hydroponic Crop Choices
Texas A & M University Hydroponic Crop Varieties
Video: Arizona University Strawberry Cultivar Selection
Arizona University Growing Tomatoes Hydroponically
Video: Best Crops for Hydroponics-Mint
Video: Best Hydroponic Plants
Cornell University's Hydroponic Lettuce Handbook
FFTC: Simple Hydroponic System for Leafy Vegetables
Hydroponic Vegetable Production in Florida
Cornell University's Hydroponic Baby Spinach Handbook
Unit 10 Worksheet
Unit 10: Selecting Hydroponic Crops Quiz

Unit 11: Diagnosing Problems in a Hydroponic System

Arizona University Plant Nutritional Disorders E-Chapter
Disease Management in Recirculating Hydroponics Systems E-Chapter
What is Eating My Plants?
Common Nutrient Disorders in Hydroponic Systems
Texas A & M Extension Diagnosing Nutritional Deficiencies
Video: Arizona University Pest and Disease Control
Hydroponic Strawberries Avoid Soil Pests
Tipburn of Hydroponic Lettuce
Videos: Pest Management
Lab 13: Hydroponic Crop Business Plan
Unit 11 Worksheet
Unit 11: Diagnosing Problems in a Hydroponic System Quiz

Final Exam

Final Exam

