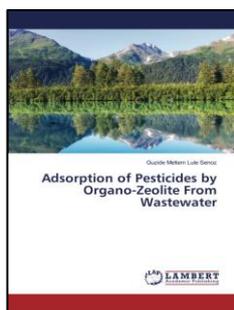


## Adsorption of Pesticides by Organo-Zeolite from Wastewater

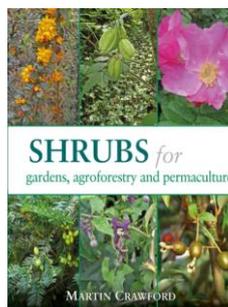


v měkké vazbě, 372 stran  
vyd. Lambert Academic Publishing, VIII/2020  
ISBN 9786202797252

katalog.cena cca 2.840 Kč vč.DPH  
v této nabídce **2.420 Kč** vč.DPH

Less than 1% of the Earth's water is available as clean water. Freshwater is cleaned and transferred through the hydrological cycle in nature. Nowadays, this process is insufficient as a result of human activities, discharge of various pollutants into the aquatic environment. Among all pollutants, pesticides are the most dangerous contaminant for human beings and biological diversity because of their negative impacts. Adsorption of pesticides from wastewater is still considered an expensive procedure due to the use of non-renewable and relatively expensive starting material such as activated carbon. This has led a growing research interest in the production of adsorbents from renewable and cheaper materials. This book covers the promising result of an investigation of the use of organo-zeolite.

## Shrubs for Gardens, Agroforestry and Permaculture



v měkké vazbě, 246 stran  
vyd. Permanent Publications, VI/2020  
ISBN 9781856233330

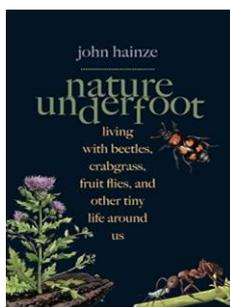
katalog.cena cca 820 Kč vč.DPH  
v této nabídce **700 Kč** vč.DPH

Learn about the incredible range of useful shrubs for many different situations, large and small. World renown expert, Martin Crawford, includes common fruit bushes like currants and gooseberries, and many other less-known shrubs with edible fruits, nuts, leaves, or other parts. He takes us on a journey into the world of exotic spice trees, shrubs with medicinal parts, and plants that fix nitrogen to help fertilise other plants.

All these can be grown in temperate climates, diversifying our diets, enabling us to design beautiful, productive gardens, as well as showing us how we can integrate agroforestry into our smallholdings and farms to create new income streams. Despite increasingly urgent calls from scientists, the not-fit-for-purpose economic and political systems we live in cannot be relied upon to implement the carbon emission reductions needed. This where we come into it: Whether we are farmer, gardener or plant dabbler, by planting shrubby plants that sequester carbon, we can minimise our carbon footprint and ideally live a carbon-negative life.

On a broadscale, perennial and woody species are the way forward to reduce carbon emissions in agriculture. Woody crops sequester carbon in their biomass, but can also be grown in systems which allow for sequestration of large amounts of carbon into the soil.

## Nature Underfoot

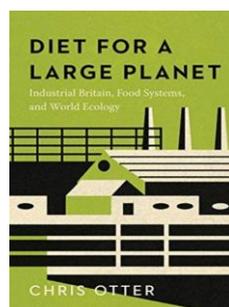


v pevné vazbě, 272 stran  
vyd. Yale University Press, IV/2020  
ISBN 9780300242782

katalog.cena cca 660 Kč vč.DPH  
v této nabídce **550 Kč** vč.DPH

An informed and heartfelt tribute to commonly unappreciated plants, insects, and other tiny creatures that reconsiders humanity's relationship to nature. Fruit flies, silverfish, dandelions, and crabgrass are the bane of many people and the target of numerous chemical and physical eradication efforts. In this compelling reassessment of the relationship between humans and the natural world, John Hainze—an entomologist and former pesticide developer—considers the fascinating and bizarre history of how these so-called invasive or unwanted pests and weeds have coevolved with humanity and highlights the benefits of a greater respect and moral consideration toward these organisms. With deep insight into the lives of the underappreciated and often reviled creatures that surround us, Hainze's accessible and engaging natural history draws on ethics, religion, and philosophy as he passionately argues that creepy crawlies and unwanted plants deserve both empathy and accommodation as partners dwelling with us on earth.

## Diet for Large Planet



v pevné vazbě, 400 stran  
vyd. University of Chicago Press, XI/2020  
ISBN 9780226697109

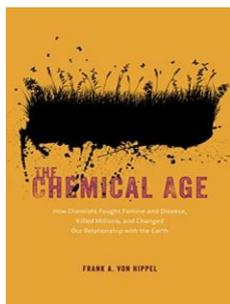
katalog.cena cca 1.320 Kč vč.DPH  
v této nabídce **1.120 Kč** vč.DPH

We are facing a world food crisis of unparalleled proportions. Our reliance on unsustainable dietary choices and agricultural systems is causing problems both for human health and the health of our planet. Solutions from lab-grown food to vegan diets to strictly local food consumption are often discussed, but a central question remains: how did we get to this point? In *Diet for a Large Planet*, Chris Otter goes back to the late eighteenth century in Britain, where the diet heavy in meat, wheat, and sugar was developing.

As Britain underwent steady growth, urbanization, industrialization, and economic expansion, the nation altered its food choices, shifting away from locally produced plant-based nutrition. This new diet, rich in animal proteins and refined carbohydrates, made people taller and stronger, but it led to new types of health problems. Its production also relied on far greater acreage than Britain itself, forcing the nation to become more dependent on global resources.

Otter shows how this issue expands beyond Britain, looking at the global effects of large agro-food systems that require more resources than our planet can sustain. This comprehensive history helps us understand how the British played a significant role in making red meat, white bread, and sugar the diet of choice—linked to wealth, luxury, and power—and shows how dietary choices connect to the pressing issues of climate change and food supply.

## Chemical Age



v pevné vazbě, 368 stran  
vyd. University of Chicago Press,  
XI/2020  
ISBN 9780226697246

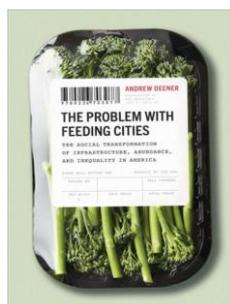
katalog.cena cca 800 Kč vč.DPH  
v této nabídce **670 Kč** vč.DPH

For thousands of years, we've found ways to scorch, scour, and sterilize our surroundings to make them safer. Sometimes these methods are wonderfully effective. Often, however, they come with vast unintended consequences--typically not truly understood for generations.

The Chemical Age tells the captivating story of the scientists who waged war on famine and disease with chemistry. With depth and verve, Frank A. von Hippel explores humanity's uneasy coexistence with pests, and how their existence, and the battles to exterminate them, have shaped our modern world. Beginning with the potato blight tragedy of the 1840s, which led scientists on an urgent mission to prevent famine using pesticides, von Hippel traces the history of pesticide use to the 1960s, when Rachel Carson's Silent Spring revealed that those same chemicals were insidiously damaging our health and driving species toward extinction. Telling the story of these pesticides in vivid detail, von Hippel showcases the thrills and complex consequences of scientific discovery. He describes the invention of substances that could protect crops, the emergence of our understanding of the way diseases spread, the creation of chemicals used to kill pests and people, and, finally, how scientists turned those war-time chemicals on the landscape at a massive scale, prompting the vital environmental movement that continues today.

For fans of Jared Diamond and Rachel Carson, The Chemical Age is a dynamic and sweeping history that exposes how humankind's affinity for pesticides made the modern world possible--while also threatening its essential fabric.

## Problem with Feeding Cities



v měkké vazbě, 328 stran  
vyd. University of Chicago Press,  
XI/2020  
ISBN 9780226703077

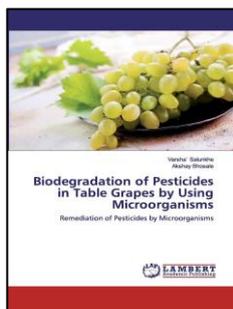
katalog.cena cca 860 Kč vč.DPH  
v této nabídce **720 Kč** vč.DPH

For most people, grocery shopping is a mundane activity. Few stop to think about the massive, global infrastructure that makes it possible to buy Chilean grapes in a Philadelphia supermarket in the middle of winter. Yet every piece of food represents an interlocking system of agriculture, manufacturing, shipping, logistics, retailing, and nonprofits that controls what we eat-or don't.

The Problem with Feeding Cities is a sociological and historical examination of how this remarkable network of abundance and convenience came into being over the last century. It looks at how the US food system transformed from feeding communities to feeding the entire nation, and it reveals how a process that was once about fulfilling basic needs became focused on satisfying profit margins. It is also a story of how this system fails to feed people, especially in the creation of food deserts.

Andrew Deener shows that problems with food access are the result of infrastructural failings stemming from how markets and cities were developed, how distribution systems were built, and how organizations coordinate the quality and movement of food. He profiles hundreds of people connected through the food chain, from farmers, wholesalers, and supermarket executives, to global shippers, logistics experts, and cold-storage operators, to food bank employees and public health advocates. It is a book that will change the way we see our grocery store trips and will encourage us all to rethink the way we eat in this country.

## Biodegradation of Pesticides in Table Grapes by Using Microorganisms

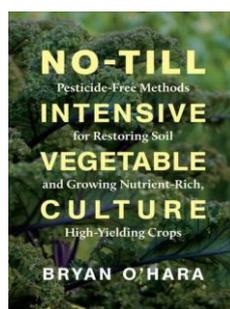


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IV/2020  
ISBN 9786202521437

katalog.cena cca 2.340 Kč vč.DPH  
v této nabídce **1.990 Kč** vč.DPH

Grape is one of the most delicious and exotic fruit crops of India with great potential for domestic and foreign marketing as fresh fruits as well as processed products like wine and raisins. Many of the diseases and pests especially powdery mildew disease and insect pests like mealy bugs and mites attack grapes even near harvest. As there is no other viable alternative to chemicals for pest management, growers have no option to save their crop except by the use of pesticides, even at the risk of residue accumulations at harvest. These high numbers of sprays increases the problem of detection of pesticide residues at above maximum residue limit (MRL) at harvest, thus compromising food safety. The study will be directed at identifying the microorganisms, screening of the metabolites and the enzymes associated with the degradation of specific pesticide compounds. Many of these micro-organisms are considered safe for use in agriculture. Initial identification of the potential microorganisms will be done in vitro i.e. under controlled conditions, followed by in vivo studies.

## No-Till Intensive Vegetable Culture



v měkké vazbě, 272 stran  
vyd. Chelsea Green Publishing,  
III/2020  
ISBN 9781603588539

katalog.cena cca 820 Kč vč.DPH  
v této nabídce **690 Kč** vč.DPH

A unique system for growing that vegetables delivers higher yields, higher quality, and higher profitability - completely free of herbicides or pesticides. Whether you're a high-yield producer, market gardener, No-Till Intensive Vegetable Culture is the go-to vegetable grower's manual for the twenty-first century. In recent years, 'no-till farming' has grown in popularity due to its high-quality, high-yield, high-profit results. Over many years, renowned organic grower Bryan O'Hara has perfected a special no-till technique that delivers vibrant, healthy, resilient plants which benefit from the inherent biological functions in the soil.

In No-Till Intensive Vegetable Culture, O'Hara describes the methods he has developed, which are completely free of herbicides or other pesticides. He asserts that a flexible, ecological methodology is as important for soil fertility as it is for his economic success. This comprehensive manual delves into all facets of a dynamic growing system, including: \*No-till bed preparation techniques \*Seeding and transplanting methods \*Irrigation \*Use of fertilisers (including foliar feeds) \*Composting (preparation and application) \*Culture of indigenous microorganisms to support soil biology \*Pest and disease management \*Year-round growing \*Harvest and storage techniques