



The Vertical Farm: Feeding the World in the 21st Century

By Dickson Despommier

Download now

Read Online ➔

The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier

"The vertical farm is a world-changing innovation whose time has come. Dickson Despommier's visionary book provides a blueprint for securing the world's food supply and at the same time solving one of the gravest environmental crises facing us today."--Sting

Imagine a world where every town has their own local food source, grown in the safest way possible, where no drop of water or particle of light is wasted, and where a simple elevator ride can transport you to nature's grocery store - imagine the world of the vertical farm.

When Columbia professor Dickson Despommier set out to solve America's food, water, and energy crises, he didn't just think big - he thought *up*. Despommier's stroke of genius, the vertical farm, has excited scientists, architects, and politicians around the globe. Now, in this groundbreaking book, Despommier explains how the vertical farm will have an incredible impact on changing the face of this planet for future generations.

Despommier takes readers on an incredible journey inside the vertical farm, buildings filled with fruits and vegetables that will provide local food sources for entire cities.

Vertical farms will allow us to:

- Grow food 24 hours a day, 365 days a year
- Protect crops from unpredictable and harmful weather
- Re-use water collected from the indoor environment
- Provide jobs for residents
- Eliminate use of pesticides, fertilizers, or herbicides
- Drastically reduce dependence on fossil fuels
- Prevent crop loss due to shipping or storage
- Stop agricultural runoff

Vertical farms can be built in abandoned buildings and on deserted lots, transforming our cities into urban landscapes which will provide fresh food

grown and harvested just around the corner. Possibly the most important aspect of vertical farms is that they can built by nations with little or no arable land, transforming nations which are currently unable to farm into top food producers. In the tradition of the bestselling *The World Without Us*, *The Vertical Farm* is a completely original landmark work destined to become an instant classic

 [Download The Vertical Farm: Feeding the World in the 21st C ...pdf](#)

 [Read Online The Vertical Farm: Feeding the World in the 21st ...pdf](#)

The Vertical Farm: Feeding the World in the 21st Century

By Dickson Despommier

The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier

"The vertical farm is a world-changing innovation whose time has come. Dickson Despommier's visionary book provides a blueprint for securing the world's food supply and at the same time solving one of the gravest environmental crises facing us today."--Sting

Imagine a world where every town has their own local food source, grown in the safest way possible, where no drop of water or particle of light is wasted, and where a simple elevator ride can transport you to nature's grocery store - imagine the world of the vertical farm.

When Columbia professor Dickson Despommier set out to solve America's food, water, and energy crises, he didn't just think big - he thought *up*. Despommier's stroke of genius, the vertical farm, has excited scientists, architects, and politicians around the globe. Now, in this groundbreaking book, Despommier explains how the vertical farm will have an incredible impact on changing the face of this planet for future generations.

Despommier takes readers on an incredible journey inside the vertical farm, buildings filled with fruits and vegetables that will provide local food sources for entire cities.

Vertical farms will allow us to:

- Grow food 24 hours a day, 365 days a year
- Protect crops from unpredictable and harmful weather
- Re-use water collected from the indoor environment
- Provide jobs for residents
- Eliminate use of pesticides, fertilizers, or herbicides
- Drastically reduce dependence on fossil fuels
- Prevent crop loss due to shipping or storage
- Stop agricultural runoff

Vertical farms can be built in abandoned buildings and on deserted lots, transforming our cities into urban landscapes which will provide fresh food grown and harvested just around the corner. Possibly the most important aspect of vertical farms is that they can be built by nations with little or no arable land, transforming nations which are currently unable to farm into top food producers. In the tradition of the bestselling *The World Without Us*, *The Vertical Farm* is a completely original landmark work destined to become an instant classic

The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier Bibliography

- Sales Rank: #130172 in Books
- Brand: imusti
- Published on: 2011-10-25
- Released on: 2011-10-25
- Original language: English

- Number of items: 1
- Dimensions: 9.25" h x 1.01" w x 6.20" l, 1.01 pounds
- Binding: Paperback
- 336 pages

 [Download The Vertical Farm: Feeding the World in the 21st C ...pdf](#)

 [Read Online The Vertical Farm: Feeding the World in the 21st ...pdf](#)

Download and Read Free Online The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier

Editorial Review

Amazon.com Review

Product Description

When Columbia professor Dickson Despommier set out to solve America's food, water, and energy crises, he didn't just think big - he thought up. Despommier's stroke of genius, *The Vertical Farm*, has excited scientists, architects, and politicians around the globe. These farms, grown inside skyscrapers, would provide solutions to many of the serious problems we currently face, including: allowing year-round crop production; providing food to areas currently lacking arable land; immunity to weather-related crop failure; re-use of water collected by de-humidification of the indoor environment; new employment opportunities; no use of pesticides, fertilizers, or herbicides; drastically reduced dependence on fossil fuels; no crop loss due to shipping or storage; no agricultural runoff; and, many more. Vertical farming can be located on abandoned city properties, creating new urban revenue streams. They will employ lots of skilled and unskilled labor. They can be run on wind, solar, tidal, and geothermal energy. They can be used to grow plants for pharmaceutical purposes or for converting gray water back into drinking water. In the tradition of the bestselling *The World Without Us*, this is a totally original landmark work destined to become a classic. With stunning illustrations and clear and entertaining writing, this book will appeal to anyone concerned about America's future.

A Look Inside Vertical Farm (Click on Images to Enlarge)



Pyramid Farm by Eric Ellingsen and Dickson Despommier



Urban Farm, Urban Epicenter by Jung Min Nam



The Dragonfly Tower by Vincent Callebaut



Harvest Green by Romses Architects

From [Booklist](#)

Starred Review Despommier, an award-winning professor of microbiology and public and environmental health sciences, adds his voice to those calling for agricultural reform. It's time to confront agrochemical pollution, he declares, and to convert waste into energy, conserve water, stop cutting down forests for fields, and make cities the equivalent of healthy ecosystems. It's time, Despommier believes after more than a decade of study and brainstorming, for vertical farming. Farms that "would raise food without soil in specially constructed buildings": energy- and water-efficient high-rise greenhouses using hydroponic and aeroponic growing techniques. The challenges involved are many, Despommier cheerfully concedes, but the advantages he cites are profound. In making his case, Despommier offers a fresh look at the history of farming, a staggering overview of the health and environmental problems associated with industrial agriculture, and a sobering report on current food and water shortages soon to be exacerbated by rapid climate change and exponential population growth. A visionary known the world over, Despommier believes that the "vertical farm is the keystone enterprise for establishing an urban-based ecosystem" and for "restoring balance between our lives and the rest of nature." A provocative introduction to a pragmatic approach to growing safe, nutritious, local food. --Donna Seaman

Review

"A book you will read, and then you will read it again. It is a book that could begin a revolution. Let's hope it does." ?*Chicago Examiner*

"Nobody has ever dreamed as big as Dr. Dickson Despommier." ?*New York Magazine*

"Despommier has quickly become the central figure in what could be a worldwide revolution." ?*Scientific American*

"Despommier's . . . ingenious idea . . . could ultimately ease the world's food, water, and energy crises." ?*The Huffington Post*

"Lucidly written . . . inspiring . . . Vertical farming is no doubt fast emerging as a powerful futuristic concept." ?*Businessworld*

"A captivating argument that will intrigue general readers and give policymakers and investors much to ponder." ?*Kirkus Reviews*

"A visionary known the world over, Despommier believes that the 'vertical farm is the keystone enterprise for establishing an urban-based ecosystem' and for 'restoring balance between our lives and the rest of

nature.” ?*Booklist (starred)*

“Dickson Despommier is a futurist, an architect, and an intellectual in the same vein as Leonardo da Vinci, I. M. Pei, and Buckminster Fuller. Vertical farms will be remembered as one of the preeminent breakthroughs of the early 21st century, and Despommier will be remembered as the man who brought them to us.” ?*Josh Tickell, director of Fuel, winner of the 2008 Sundance Film Festival Audience Award for Best Documentary*

“This book makes the case that urban agriculture can go vertical as well as horizontal, putting all those expanses of pretty glass to some actual use!” ?*Bill McKibben, author of Eaarth: Making a Life on a Tough New Planet*

“Cities of the future must generate their own food supply. Dickson Despommier's elegant, simple answer for achieving this goal is vertical farming. Welcome to the third green revolution.” ?*Peter Diamandis, Chairman of the X Prize Foundation and Co-Founder of the Singularity University*

Users Review

From reader reviews:

Dorinda Kling:

Nowadays reading books be than want or need but also be a life style. This reading addiction give you lot of advantages. The huge benefits you got of course the knowledge your information inside the book that improve your knowledge and information. The data you get based on what kind of e-book you read, if you want have more knowledge just go with knowledge books but if you want really feel happy read one using theme for entertaining such as comic or novel. The The Vertical Farm: Feeding the World in the 21st Century is kind of publication which is giving the reader unpredictable experience.

Allen Scheiber:

Reading a e-book can be one of a lot of task that everyone in the world loves. Do you like reading book therefore. There are a lot of reasons why people fantastic. First reading a publication will give you a lot of new details. When you read a guide you will get new information due to the fact book is one of numerous ways to share the information or their idea. Second, looking at a book will make you more imaginative. When you reading through a book especially fictional works book the author will bring someone to imagine the story how the figures do it anything. Third, you may share your knowledge to other individuals. When you read this The Vertical Farm: Feeding the World in the 21st Century, you are able to tells your family, friends and also soon about yours guide. Your knowledge can inspire the others, make them reading a publication.

James Mendoza:

The book untitled The Vertical Farm: Feeding the World in the 21st Century contain a lot of information on it. The writer explains your ex idea with easy way. The language is very straightforward all the people, so do not necessarily worry, you can easy to read the idea. The book was compiled by famous author. The author will bring you in the new era of literary works. You can easily read this book because you can read more your smart phone, or program, so you can read the book in anywhere and anytime. In a situation you wish to

purchase the e-book, you can wide open their official web-site and order it. Have a nice read.

Elizabeth Webster:

E-book is one of source of understanding. We can add our understanding from it. Not only for students but also native or citizen require book to know the change information of year to be able to year. As we know those publications have many advantages. Beside we all add our knowledge, can bring us to around the world. Through the book *The Vertical Farm: Feeding the World in the 21st Century* we can get more advantage. Don't that you be creative people? To be creative person must prefer to read a book. Simply choose the best book that suited with your aim. Don't possibly be doubt to change your life at this book *The Vertical Farm: Feeding the World in the 21st Century*. You can more inviting than now.

Download and Read Online *The Vertical Farm: Feeding the World in the 21st Century* By Dickson Despommier #J29E8ARZPTH

Read The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier for online ebook

The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier books to read online.

Online The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier ebook PDF download

The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier Doc

The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier Mobipocket

The Vertical Farm: Feeding the World in the 21st Century By Dickson Despommier EPub