

With a bucket and less than \$15 worth of components, build a brewer and make aerated compost tea.

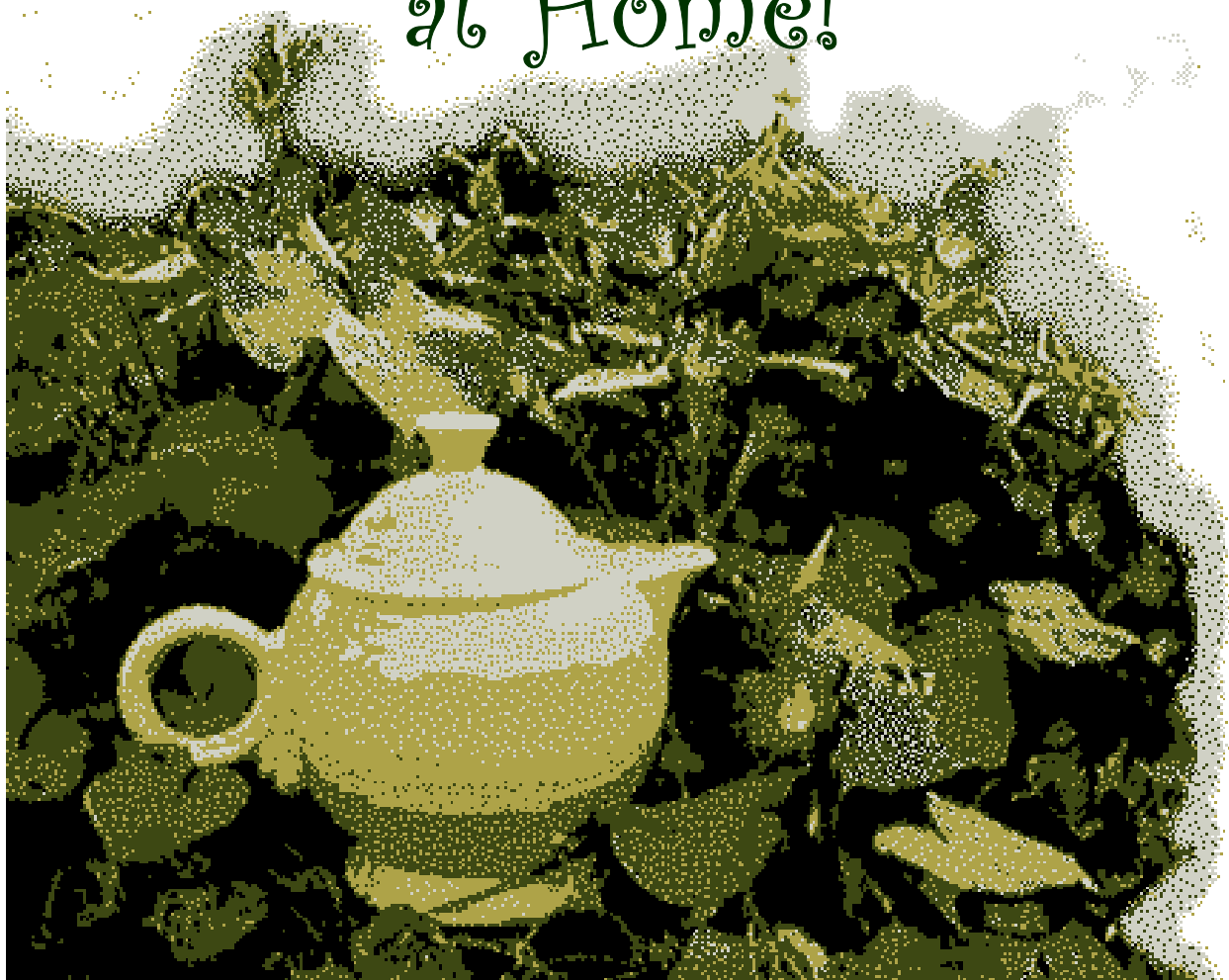
Make Your Own Brewer and Brew Compost Tea at Home!

**Buy The Complete Version of This Book at
Booklocker.com:**

<http://www.booklocker.com/p/books/1812.html?s=pdf>

www.mastercomposter.com's

Make Your Own
Brewer
and Brew Compost Tea
at Home!



Mary J. Tynes

Make Your Own Brewer and Brew Compost Tea at Home!

Second Edition

Second Edition Copyright © 2006 by Mary J. Tynes

First Edition Copyright © 2004 by Mary J. Tynes

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without prior written permission from the author. For information, contact Singular Publishing at the address below.

Published by

Singular Publishing, 3941 Legacy Drive #204-197-B, Plano, TX 75023-8320, United States of America

Disclaimer

The purpose of this eBook is to educate and entertain. This eBook is provided as-is without warranty of any kind and the publisher and author expressly disclaim all implied warranties, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose. The publisher and author shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused, or alleged to have been caused, directly or indirectly, by the information contained in this book.

In some instances where a product has been mentioned or recommended, the author may receive a commission if you purchase it. However, all recommendations have been made based on the author's experience, not incentive.

Compost tea is not for human consumption. This book is written for the home gardener and not for large-scale or commercial purposes.

All manufacturer's instructions and suggested precautions must be followed. Children should have adult supervision at all times. If you acquire used equipment, contact manufacturer in order to obtain all pertinent instructions and warnings.

All rights reserved worldwide.

If you did not pay for the eBook version, this is considered a stolen copy. To protect yourself legally, you will want to go buy your legitimate version from www.booklocker.com and delete this stolen version from your computer.

Thank you!

Table of Contents

Introduction	4
Chapter 1. Oxygen for Aquatic Life	7
Chapter 2. Gathering Tea Brewer Components	9
<i>Required Components</i>	9
<i>Choosing Brewer Components</i>	12
Chapter 3. Build a Compost Tea Brewer	20
<i>Safety Precautions</i>	21
<i>Setup Instructions</i>	23
Chapter 4. Generate Bacteria-rich Compost	25
<i>Compost</i>	25
<i>Worm Castings</i>	29
Chapter 5. Brew Compost Tea	30
<i>Choose Start Date</i>	30
<i>De-chlorinate Water</i>	30
<i>Add Compost</i>	31
<i>Add Water and Molasses</i>	31
<i>Brew for 2 to 3 Days</i>	31
<i>Strain</i>	32
Chapter 6. Application of Compost Tea	33
<i>Root Feeding</i>	33
<i>Choice of Sprayers</i>	33
<i>How to Spray</i>	33
<i>When to Spray</i>	33
Additional Works by the Author	34

Introduction

Can't I Just Use Compost?

Compost is organic matter -- leaves, grass clippings, manure, etc. -- that has been broken down by organisms to create a nutrient-rich material which looks like rich, healthy soil. In fact, incorporating compost into soil is the most important step when improving soil. A soil which has adequate compost will have better water absorption, retention, and drainage; improved soil structure and tilth; a steady supply of plant-available nutrients; and a more balanced pH.

For gardeners who replant every year, or homeowners creating a new landscape, compost can be mixed into the soil before planting. But once vegetation has been planted, root zones should remain undisturbed. Compost may be added as a top-dressing on existing landscapes and lawns. Top-dressed organic matter will be pulled into the soil by soil organisms and rain will wash nutrients into the soil.

Rudimentary Compost Tea Method

Is there a quicker way to add nutrients to the root zones of established landscapes and lawns? Yes! Gardeners learned ages ago to make “compost tea” and use this liquid to water their lawns and gardens.

Today, many continue to use this now-obsolete “compost tea” method:

A burlap bag is filled with compost and submerged in a container of water. The bag is agitated periodically over the next few days. As nutrients leach out of the compost, the water turns a light amber color, much like the color of a weak tea. The nutrient-rich “compost tea” is then used to water established plants.

Beneficial Microorganisms are Drowned in Rudimentary Method Tea

Watering with compost tea created by the Rudimentary Method does indeed provide plant-available nutrients to root zones. But tea made this way does not include beneficial microorganisms which were originally living in the solid compost.

Beneficial microorganisms which thrive in compost are aerobic, that is, they require air to breathe. Unfortunately, organisms drown as compost steeps in the Rudimentary Method because the organisms are under water and adequate oxygen is unavailable to them.

Nutrients can survive an anaerobic (without oxygen) environment, but most *beneficial organisms* can not.

Innovation in the Brewing of Compost Tea: Aeration

Large-scale producers of compost tea have found that if the brew remains aerated, compost microorganisms continue to thrive. The resulting compost tea is far more valuable than non-aerated tea because it provides disease protection in addition to nutrients.

When added to soil as a drench, beneficial organisms decompose organic matter within the soil which

1. adds to the quantity of plant-available nutrients,
2. controls the proliferation of harmful organisms, and
3. improves soil structure.

This healthy soil environment helps plant roots resist disease and insect attack.

Research shows that aerated compost tea which is used as a foliar spray can not only be used to supply additional nutrients to plants, but may also be used to suppress plant diseases and help destroy toxins. When the tea is sprayed onto the plant, beneficial organisms live on the leaf's surface ready to attack pathogenic species. Not only do they act against pathogens currently residing on the plant, but they provide an on-going "living shield". Foliar pathogens must penetrate this competitive environment before they harm your plants. Harmful bacteria, fungus and air-borne pathogens find this line of defense difficult to penetrate.

A Brewer Designed for Home Gardeners

As evidence mounts regarding the benefits of creating compost tea in an aerated environment, home gardeners are looking for an inexpensive way to aerate their brewing process. **Make Your Own Brewer and Brew Compost Tea at Home** provides instructions for constructing an aerated brewer from a 5-gallon (19 liter) bucket and less than US\$15 worth of new components. It provides detailed explanations of how this process works and what to look for as you choose your components. The book will lead you through the selection of pile inputs and the process of building a pile which will yield compost which is best suited for brewing tea. The book then discusses how to brew the tea and how to apply it.

This book is written for the gardener who is new to aerated compost tea. Instructions are simple and easy to follow.

eBook Format

A useful feature of this eBook is embedded Shortcuts. If a topic begins with a Shortcut box like the one below, you may read the text in the box to get the gist of the section. Then click on the link to jump to the next section. For instance, if you want to know the best shape container to use but don't care why it is best, read the paragraph in the box and click the underlined words "click here" to move to the next heading. [This Shortcut box is for illustrative purposes and does not forward you to another page.]

Shortcut !!!

Two 5-gallon (19 liter) containers are required. A cylindrical bucket is used for brewing the compost tea. The second container may be of any shape. Both containers should be leak-proof and hold a minimum of 5 gallons each.

To skip the details, [click here](#)

Tip: To get a quick overview of the brewer construction and compost tea brewing processes, just jump through the shortcuts. Once you understand the overall process, return to the book's beginning and read the details.

Note

This book is written for the home gardener and is not for large-scale or commercial purposes. Compost tea is to be used as a plant drench or foliar spray and is not for human consumption.

With a bucket and less than \$15 worth of components, build a brewer and make aerated compost tea.

Make Your Own Brewer and Brew Compost Tea at Home!

**Buy The Complete Version of This Book at
Booklocker.com:**

<http://www.booklocker.com/p/books/1812.html?s=pdf>