

THE TECHNOLOGY OF FARMING

Producing Fish



The Technology of Farming

Producing Fish

Barbara A. Somervill





www.raintrepublishers.co.uk

Visit our website to find out
more information about
Raintree books.

To order:



Phone 0845 6044371



Fax +44 (0) 1865 312263



Email myorders@raintrepublishers.co.uk

Customers from outside the UK please telephone +44 1865 312262

Raintree is an imprint of Capstone Global Library Limited, a company incorporated in England and Wales having its registered office at 7 Pilgrim Street, London, EC4V 6LB – Registered company number: 6695582

Text © Capstone Global Library Limited 2013
First published in hardback in 2013
The moral rights of the proprietor have been asserted.

All rights reserved. No part of this publication may be reproduced in any form or by any means (including photocopying or storing it in any medium by electronic means and whether or not transiently or incidentally to some other use of this publication) without the written permission of the copyright owner, except in accordance with the provisions of the Copyright, Designs and Patents Act 1988 or under the terms of a licence issued by the Copyright Licensing Agency, Saffron House, 6–10 Kirby Street, London EC1N 8TS (www.cla.co.uk). Applications for the copyright owner's written permission should be addressed to the publisher.

Edited by Abby Colich, Megan Cotugno, and Nancy Dickmann
Designed by Victoria Allen
Picture research by Elizabeth Alexander
Illustrations by Oxford Designers & Illustrators
Originated by Capstone Global Library Ltd
Printed and bound in China by China Translation and Printing Services Ltd

ISBN 978 1 406 24048 1
16 15 14 13 12
10 9 8 7 6 5 4 3 2 1

British Library Cataloguing in Publication Data

Somervill, Barbara A.

Producing fish. -- (The technology of farming)

1. Fish culture--Juvenile literature.

I. Title II. Series

639.3-dc23

A full catalogue record for this book is available from the British Library.

Acknowledgements

We would like to thank the following for permission to reproduce photographs: Alamy: pp. 9 (© www.BibleLandPictures.com), 11 (© Pat Canova), 21 (© Accent Alaska.com), 27 (© Stephen Frink Collection), 34 (© Peter Titmuss); Corbis: pp. 5 (© Jeffrey Rotman), 10 (© Alfredo Dagli Orti/The Art Archive), 15 (© Hein van den Heuvel), 28 (© Bojan Brecej), 41 (© Joel W. Rogers); FLPA: p. 39 (Norbert Wu/Minden Pictures); Getty Images: pp. 7 (Christopher Furlong), 16 (Paul Sutherland/National Geographic), 23 (HOANG DINH NAM/AFP), 26 (Jeff J Mitchell), 31 (Randy Olson/National Geographic), 33 (Olivier Morin/AFP), 37 (Stockbyte), 43 (Barcroft USA); Mary Evans Picture Library: p. 13; Photolibrary: p. 25 (MIXA Co. Ltd.); Science Photo Library: p. 8 (Sheila Terry); Shutterstock: pp. 6 (© Gordon Warlow), 19 (© holbox), 22 left (© saiko3p), 22 right (© Alex Staroseltsev), 35 (© T.W. van Urk).

Cover photo of a man working in a fish processing plant reproduced with permission from Photolibrary (Kristjan Maack/Nordic Photos).

Every effort has been made to contact copyright holders of any material reproduced in this book. Any omissions will be rectified in subsequent printings if notice is given to the publisher.

Disclaimer

All the internet addresses (URLs) given in this book were valid at the time of going to press. However, due to the dynamic nature of the internet, some addresses may have changed, or sites may have changed or ceased to exist since publication. While the author and publisher regret any inconvenience this may cause readers, no responsibility for any such changes can be accepted by either the author or the publisher.

Contents

Can we have fish for dinner?	4
When did people first start fishing?	8
What is commercial fishing?	14
Is commercial fishing safe?	20
What is aquaculture?	22
Can we farm fish in the sea?	26
How does fish get from the sea to the supermarket?.....	30
Who buys and sells the most fish?	32
How can we preserve fisheries?	36
Can we produce enough fish to feed the world?	40
Glossary	44
Find out more	46
Index	48

Some words appear in the text in bold, **like this**. You can find out what they mean by looking in the glossary.

Can we have fish for dinner?

Around the world, fishing **vessels** work at sea each day. They catch the fish and seafood that ends up on our dinner tables. The vessels may be small and haul in shrimps, crabs, or lobsters. They may be the size of a small factory. Factory ships catch, process, package, and freeze fish fresh from the sea. The work is hard, and the weather is often miserable.

Fishing

The sea provides mystery, danger, and a bounty of food. The general term for harvesting that food is fishing. Fishing includes finfish, such as tuna, swordfish, and salmon. Fishermen also catch shellfish, such as clams, oysters, and mussels. They capture crustaceans, including shrimps and lobsters. Other products of the sea that fall under fishing include whales and seals, which are marine mammals; sea turtles, which are reptiles; and octopus and squid, which are mollusks.

Depending on the species of fish or shellfish, fishing can be a seasonal event. Salmon, for example, live their adult lives in the ocean until it is time to reproduce. The salmon then return to the freshwater stream where they hatched. Salmon fishermen wait for the few weeks in the spring when they are allowed to catch wild salmon. The catch is sold fresh, frozen, tinned, or smoked. In many countries, smoked salmon is a delicacy served only on special occasions.