THE GRAIN MARKET IN THE ROMAN EMPIRE

This book explores the economic, social and political forces that shaped the grain market in the Roman Empire. Examining studies on food supply and the grain market in pre-industrial Europe, it addresses questions of productivity, division of labour, market relations and market integration. The social and political aspects of the Roman grain market are also considered. Dr Erdkamp illustrates how entitlement to food in Roman society was dependent on relations with the emperor, his representatives and the landowning aristocracy, and local rulers controlling the towns and hinterlands. He assesses the response of the Roman authorities to weaknesses in the grain market and looks at the implications of the failure of local harvests. By examining the subject from a contemporary perspective, this book will appeal not only to historians of ancient economies, but to all concerned with the economy of grain markets, a subject which still resonates today.

PAUL ERDKAMP is Research Fellow in Ancient History at Leiden University. He is the author of *Hunger and the Sword*. *Warfare and food supply in Roman Republican wars* (264–30 BC) (1998). He is the editor of *The Roman Army and the Economy* (2002) and *The Companion to the Roman Army* (forthcoming).

THE GRAIN MARKET IN THE ROMAN EMPIRE

A social, political and economic study

PAUL ERDKAMP



| Cambridge University Press | |
|--|--------------|
| 0521838789 - The Grain Market in the Roman Empire: A Social, Political | and Economic |
| Study | |
| Paul Erdkamp | |
| Frontmatter | |
| More information | |
| | |

CAMBRIDGE UNIVERSITY PRESS Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, São Paulo

> Cambridge University Press The Edinburgh Building, Cambridge CB2 2RU, UK

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org Information on this title: www.cambridge.org/9780521838788

© Cambridge University Press 2005

This book is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2005

Printed in the United Kingdom at the University Press, Cambridge

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

ISBN-13 978-0-521-83878 - 8 hardback ISBN-10 0-521-83878 - 9 hardback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this book, and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.

Contents

| List of maps Acknowledgements | <i>page</i> vii viii |
|---|-------------------------|
| Introduction | I |
| 1 Production and productivity in Roman agriculture | 12 |
| Means of production | 14 |
| Tenancy: capital, land and labour | 23 |
| Yield, productivity and agricultural surplus Conclusions | 34 |
| Conclusions | 54 |
| 2 The world of the smallholder | 55 |
| Introduction | 55 |
| Definition of a peasant | 56 |
| Household and labour | 61 |
| Alternative strategies | 79 |
| Household goals and the market | 95 |
| 3 Farmers and their market relations | 106 |
| Introduction | 106 |
| Farmers and the consumer market | 109 |
| The advance sale of grain, wine and olive oil | 120 |
| Peasants and the grain market | 134 |
| Conclusions | 141 |
| 4 Market integration: connecting supply and demand | 143 |
| Introduction | 143 |
| Marketing in time | I47 |
| Marketing across space | 175 |
| 5 Rome and the corn provinces | 206 |
| Introduction | 206 |
| Sicily | 209 |
| Taxation-in-kind | 219 |

| Cambridge University Press |
|---|
| 0521838789 - The Grain Market in the Roman Empire: A Social, Political and Economic |
| Study |
| Paul Erdkamp |
| Frontmatter |
| More information |
| |

| vi | Contents | |
|------|---|-----|
| | Egypt | 225 |
| | The city of Rome: the 'two-tier system' | 237 |
| 6 | Urban food supply and grain market intervention | 258 |
| | Introduction | 258 |
| | Municipal grain funds | 268 |
| | Market regulation and price fixing in the Roman world | 283 |
| | Benefits for a privileged few? | 306 |
| Co | nclusions | 317 |
| Refe | erences | 331 |
| Ger | neral index | 356 |
| Ind | lex locorum | 363 |

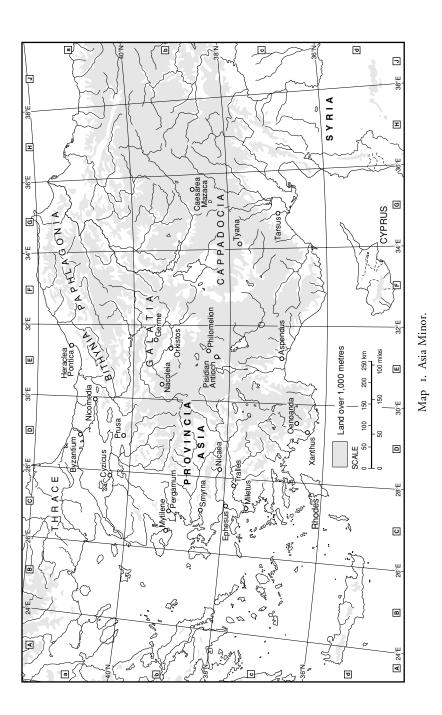
Maps

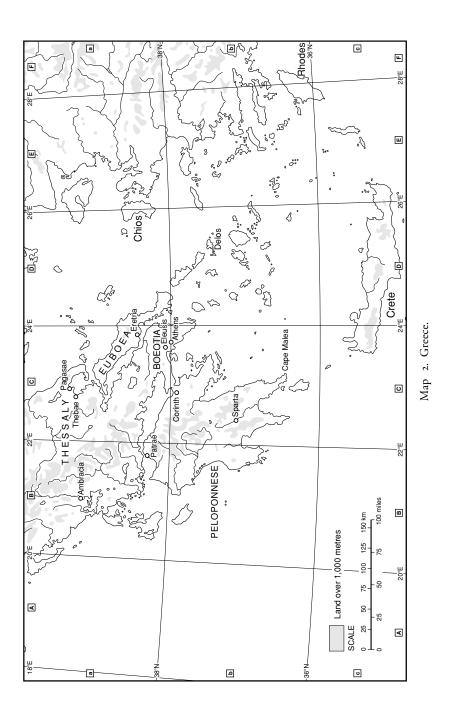
| I | Asia Minor | <i>page</i> ix |
|---|-----------------|----------------|
| 2 | Greece | Х |
| 3 | Italy | xi |
| 4 | The Roman World | xii |
| 5 | Egypt | xiv |

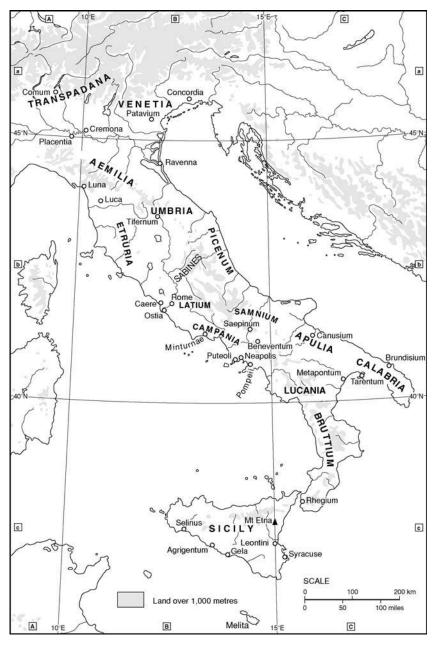
Acknowledgements

It is with much pleasure that I thank all those who have helped with the publication of this book, and with the research that preceded it. I am particularly grateful to those scholars who have courteously offered assistance and read the manuscript in its entirety or in part: Lukas de Blois, Luuk de Ligt, H.W. Pleket, Johan Strubbe and Hans Teitler. In addition, I have benefited from comments made at presentations of parts of this book at workshops of the International Network Impact of Empire and other conferences held at the universities of Amsterdam (VU), Leiden, Nijmegen and Nottingham. I also thank the anonymous readers of the Cambridge University Press for their valuable comments and constructive criticism. Very many thanks are owed to David Noy for reading through the entire manuscript with an eye for error and inconsistency that was greatly appreciated. Naturally, I alone am responsible for all flaws in the final version. I am grateful to Michael Sharp and Sinéad Moloney for their help and advice in getting this book published. Finally, I would like to express my gratitude to Lukas de Blois and Theo Engelen for their unwavering support during these past years.

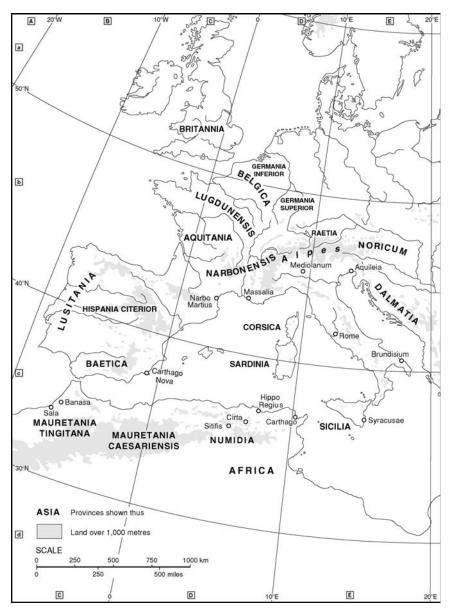
I acknowledge with gratitude the funding of my research by the Netherlands Organisation for Scientific Research (NWO).



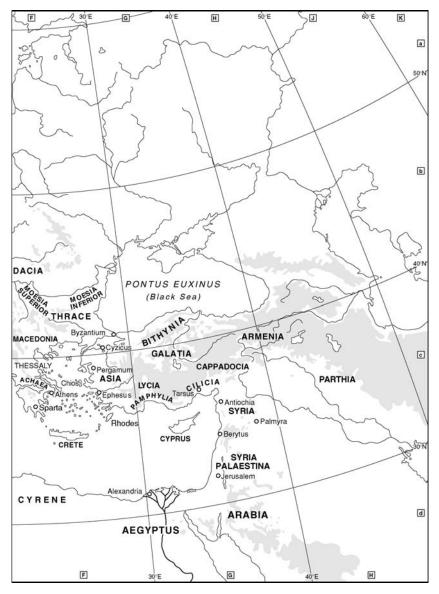




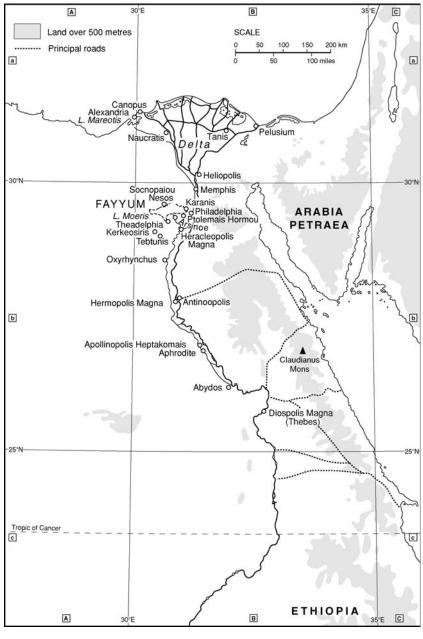
Map 3. Italy.



Map 4. The Roman World.



Map 4. (cont.)



Map 5. Egypt.