

Contents

Preface *i*

Acknowledgements *iv*

- 1 Introduction** *1*
 - Target audience *3*
 - Questions *4*

- 2 Farm management** *5*
 - The place of farm management *5*
 - What makes a good farm manager? *6*
 - Resource management *7*
 - Decision-making *8*
 - Applications to various types of farms *8*
 - Subsistence and semi-subsistence farms *8*
 - Problems and decisions *9*
 - Human relations in farm management *10*
 - Management and labour *10*
 - Questions *10*

- 3 Farm analysis and planning** *11*
 - Human *11*
 - Physical *17*
 - Financial *22*
 - Questions *24*

- 4 Principles of production** *25*
 - Introduction *25*
 - Technical principles *25*
 - Economic principles *31*
 - Questions *38*

- 5 Costs and returns** *39*
 - Costs in theory *39*
 - Costs in practice *41*
 - Farm returns *45*
 - Questions *47*

Contents

- 6 Farm profits, financial statements and records 48**
 - Profit 48
 - Presentation of financial results – farm financial statements ('accounts') 49
 - Return on capital 49
 - Records 53
 - Questions 55
- 7 Cash flows 56**
 - Introduction 56
 - Cash flow budgets 56
 - Comparison of actual and budgeted returns 56
 - Cash development budget 57
 - Food and cash flow budget 58
 - Questions 60
- 8 Gross margins 61**
 - Introduction 61
 - Calculating activity gross margins 61
 - Gross margins for crops 62
 - Gross margins for animals 63
 - Use of gross margins in planning 64
 - Application to semi-subsistence farms 65
 - The use and usefulness of gross margins for planning 65
 - Questions 66
- 9 Time is money 67**
 - Introduction 67
 - Compounding and discounting 68
 - Inflation 70
 - Interest rates 71
 - Discounting in theory and in practice 72
 - Three ways of judging projects 73
 - Forecasting 75
 - Productive values 75
 - Perpetuities 77
 - Questions 77
- 10 Planning changes 78**
 - Budgeting techniques 78
 - Decision-making and risk 85
 - Break-even and parametric budgeting 89
 - Climatic and yield variability 92
 - Some specific measures to cope with income variability 92
 - Questions 94
- 11 Cropping 95**
 - Introduction 95
 - Rotations 95
 - Mixed cropping 103

Contents

- Harvesting and marketing 109
- Tree crops 111
- Questions 114
- 12 Animals 115**
 - Introduction 115
 - Animal management economics 116
 - Checklist of main animal costs 117
 - Economic analysis of animal enterprises 117
 - Utilising productive pastures and fodder crops 121
 - Intensive production feeding 122
 - Draught animals 123
 - Breeding 123
 - Questions 126
- 13 Mechanisation 127**
 - Theory 127
 - Practice 133
 - Questions 138
- 14 Farm development 140**
 - Introduction 140
 - Return on extra (marginal) capital 140
 - Steps in development budgeting 141
 - Questions 145
- 15 Farm credit and finance 146**
 - Theory 146
 - Practice 151
 - Questions 152
- 16 Beyond the farm 154**
 - Causes and effects: a note 154
 - The market and government 155
 - Marketing boards and markets 156
 - Government in farming 157
 - Credit 157
 - Mechanisation 158
 - Education 159
 - Training for farm management 160
 - The telecommunication revolution 163
 - To conclude 163
- Appendix 1 Interest rate tables 164**
- Appendix 2 Metric conversion 170**
 - The basic units 170
- Glossary 172*
- Index 175*