Tables

1.1 Shares of GDP, population and trade: EU, Japan and the US, 2000 2
1.2 Growth indicators: EU, Japan and the US, 1983–2002 3
1.3 Specialisation in the EU, Japan and the US, 1995 5
1.4 Trade performance of the EU, Japan and the US: manufacturing 9
1.5 Non-agricultural enterprises by employment size class, 1996 11
1.6 The expected economic benefits of the European single market 17
1.7 Macroeconomic consequences of completion of the European single market 17
1.8 The Maastricht criteria for membership of the Eurozone 22
2.1 Agriculture’s share in economic activity 27
2.2 Value and composition of output, 1999 28
2.3 Structure of European agriculture 31
2.4 Structural change in EU-12 livestock farming 32
2.5 Agricultural labour force in the EU, 1987–97 (’000 Annual Work Units) 33
2.6 Role of agriculture in the applicant countries 36
2.7 Price and income elasticities for food groups in the EU-10, mid 1980s 38
2.8 Growth in output, employment and productivity in EU agriculture, 1968–97 44
2.9 Net value added per agricultural work unit, by farm type (€’000), 1997/98 46
2.10 Agri-environment indicators 47
3.1 Consumption and import dependency of energy in EU countries, 1999 58
3.2 Market share in electricity generation in the EU, 1999 68
3.3 Specific industrial energy intensity IEI (1985 = 100) in 1997 72
3.4 Energy prices to industrial consumers in 1990 euro per toe in 1997 73
3.5 Energy prices of transport fuels in 1990 euro per toe in 1997 74
3.6 Energy prices to domestic consumers in 1990 euro per toe in 1997 76
### Tables

<table>
<thead>
<tr>
<th>Table</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>Share of manufacturing industries in production value, employment and value added in the EU-15, 1997 (%)</td>
<td>88</td>
</tr>
<tr>
<td>4.2</td>
<td>Share of different sectors within the food processing industry in production value, value added and employment in the EU-15, 1997 (%)</td>
<td>89</td>
</tr>
<tr>
<td>4.3</td>
<td>Elasticity coefficients of food demand in Europe</td>
<td>93</td>
</tr>
<tr>
<td>4.4</td>
<td>Size distribution of EU food processing enterprises, 1990–97 (%)</td>
<td>96</td>
</tr>
<tr>
<td>4.5</td>
<td>European multinationals in the world’s top 50 food and drink companies</td>
<td>97</td>
</tr>
<tr>
<td>5.1</td>
<td>Beer consumption (1000 hectolitres)</td>
<td>112</td>
</tr>
<tr>
<td>5.2</td>
<td>Consumption of all beers per capita (litres)</td>
<td>113</td>
</tr>
<tr>
<td>5.3</td>
<td>Total beer production: all beers (1000 hectolitres)</td>
<td>114</td>
</tr>
<tr>
<td>5.4</td>
<td>Economies of scale in European brewing</td>
<td>116</td>
</tr>
<tr>
<td>5.5</td>
<td>The number of European breweries and employment characteristics, 2000</td>
<td>117</td>
</tr>
<tr>
<td>5.6</td>
<td>Seller concentration in brewing CR (5), 2000</td>
<td>119</td>
</tr>
<tr>
<td>5.7</td>
<td>Market share for the top brand, 2000</td>
<td>121</td>
</tr>
<tr>
<td>5.8</td>
<td>Total advertising expenditure on beer by large brewers (adjusted to 1995 prices)</td>
<td>123</td>
</tr>
<tr>
<td>5.9</td>
<td>New product innovations in brewing, 1998–2000</td>
<td>130</td>
</tr>
<tr>
<td>6.1</td>
<td>Largest pharmaceutical markets in the world, US$mn</td>
<td>147</td>
</tr>
<tr>
<td>6.3</td>
<td>European Federation of Pharmaceutical Industries and Associations (EFPIA) data on the European pharmaceutical industry</td>
<td>149</td>
</tr>
<tr>
<td>6.4</td>
<td>European Federation of Pharmaceutical Industries and Associations (EFPIA) data on the European pharmaceutical industry by country, 1999</td>
<td>151</td>
</tr>
<tr>
<td>6.5</td>
<td>Market concentration by corporate sales in selected countries as percentage of total</td>
<td>154</td>
</tr>
<tr>
<td>6.6</td>
<td>Percentage market share by sales in selected countries, by nationality of corporation</td>
<td>155</td>
</tr>
<tr>
<td>6.7</td>
<td>Pharmaceutical R&amp;D expenditures of the top ten pharmaceutical corporations, 1999</td>
<td>159</td>
</tr>
<tr>
<td>6.8</td>
<td>Percentage of OECD pharmaceutical R&amp;D by country</td>
<td>160</td>
</tr>
<tr>
<td>6.9</td>
<td>Percentage share of US patents in pharmaceuticals by country of origin of corporations</td>
<td>161</td>
</tr>
<tr>
<td>6.10</td>
<td>Healthcare patenting by country with percentage of total US patent office patents in brackets</td>
<td>161</td>
</tr>
<tr>
<td>6.11</td>
<td>Impact count of patents in US patent office</td>
<td>162</td>
</tr>
<tr>
<td>6.12</td>
<td>Top 50 new chemical entities by origin of corporation</td>
<td>163</td>
</tr>
</tbody>
</table>
Tables

6.13 The relative strength in innovation of national pharmaceutical industries, 1820–1990 164
6.14 The top 20 firms by sales (US$bn, 1997/98) 166
6.15 Dominance of US and UK in pharmaceutical profitability, 1997 167
7.1 Biotechnology applications according to industrial sector 172
7.2 The European DBF sector 176
7.3 Global DBFs that are profitable 177
7.4 The US DBF sector 182
7.5 Number of organisations and number of collaborative agreements (CAs), by nationality of originator and developer 185
7.6 European pharmaceutical DBFs product pipeline 188
7.7 Selected crop biotechnology products and supplying companies in the US market 190
7.8 US field trial data by technology up to 1999 192
7.9 European field trials by country, 1991–2000 193
8.1 EU metals output by country, 1998 206
8.2 Main end-uses of the principal base metals 207
8.3 Sub-sectors of the EU basic metals sector (NACE Rev. 1 27) 209
8.4 The world’s ten largest steel companies, 2000 211
8.5 Representative production cost distributions, by type of metal (percentages) 215
8.6 Minimum technical efficient scale of plant for basic metal manufacture, by type of metal 218
9.1 Optimum scale in various processes 232
9.2 Volume to average unit cost relationship 233
9.3 Share of West European car market (%) (sales) 236
9.4 Share of European production (%) 237
9.5 Production in European countries, 1999 (’000s) 239
9.6 Comparative car pre-tax prices in the EU 246
9.7 Productivity and unit labour costs: average annual percentage change, 1980–2000 250
9.8 Plant productivity in Europe (vehicles per employee) 251
9.9 Plant productivity worldwide (vehicles per employee) 252
9.10 Sales and revenue per employee for major European producers, 1998 253
9.11 Car production (’000s) 257
10.1 Passenger traffic in the European Union: % increase in passenger kilometres, 1990–99, by mode 261
10.2 Scheduled air traffic: some summary data, 1999 263
10.3 Operating expenses: three major European airlines 264
10.4 Major European airlines: some key statistics, 2000 269
10.5 Entry and exit in the EU: scheduled passenger airlines, 1993–99 273
10.6 Top ten airports in the EU 276
10.7 Profitability: major EU airlines 281
11.1 Financial structure in the Euro-zone, USA and Japan, 1999 292
11.2 Banking in the economy (%), 1998 293
11.3 Banking: number of institutions in Europe, the USA and Japan, 1994–98 295
11.4 Banking: top 20 Euro-zone banking groups (by total assets in million US$) 297
11.5 Banking: main financial indicators, 1998 (millions of ECU) 299
11.6 Banking: main financial ratios, 1998 300
11.7 Banking: ratios on balance sheet, 1998 301
11.8 Banking: total number of persons employed in credit institutions, 1994–98 301
11.10 Insurance: direct insurance and specialist reinsurance enterprises in the economy (%), 1998 307
11.11 Insurance: number of insurance enterprises in the EU-15 area, 1995–99 308
12.1 Eurostat NACE Rev. 1 Section K: real estate, renting and business activities 322
12.2 Trends in direct investments in market services and particularly the real estate and business activity sub-sectors, 1995–98 334
12.3 Contribution to total gross value added (GVA) at current prices and total employment (Emp.) in 1999 – Services, NACE Division K (Real Estate and Business Services) and sub-divisions 71–74 (Business Services) 338
13.1 A framework for evaluating projects and industrial policies 353
13.2 UK defence equipment costs and time scales 355
13.3 Cost savings from collaboration 357
13.4 EU defence industry employment, 1999 360
13.5 Major European defence companies, 2000 362
13.6 Major arms exporters 367
13.7 World arms exports, 1995–97 368
13.8 Major European collaborative military programmes 369
14.1 The world’s top international tourism destinations, earners and spenders, 2000 378
14.2 EU-15 international tourism arrivals and receipts, 1999 381
14.3 Europe’s share of world international tourism arrivals and receipts (%) 382
14.4 Hotels and similar establishments 389
14.5 Employment in hotels and restaurants in EU-15, 1999 392
14.6 Relative prices, for different market segments, of 4 and 5 star city hotels in London 395
14.7 VAT rates in EU-15 403