<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Achterbosch, T. 485, 490</td>
</tr>
<tr>
<td>Ackrill, R. 19, 205, 206</td>
</tr>
<tr>
<td>ACP (African, Caribbean and Pacific) countries 388, 393, 394–7, 489, 495, 497, 499, 508, 512–16, 519, 526</td>
</tr>
<tr>
<td>Adenauer, M. 486</td>
</tr>
<tr>
<td>advertising 273, 278</td>
</tr>
<tr>
<td>see also food labelling requirements and CAP 2020 aims</td>
</tr>
<tr>
<td>Ærtebjerg, G. 224</td>
</tr>
<tr>
<td>affordability of food 450–51, 461</td>
</tr>
<tr>
<td>see also food security</td>
</tr>
<tr>
<td>Africa</td>
</tr>
<tr>
<td>ACP (African, Caribbean and Pacific) countries 388, 393, 394–7, 489, 495, 497, 499, 508, 512–16, 519, 526</td>
</tr>
<tr>
<td>Comprehensive Africa Agricultural Development Programme (CAADP) 480</td>
</tr>
<tr>
<td>ECOWAS Agreement 514</td>
</tr>
<tr>
<td>Ethiopia, famines 469, 470, 481</td>
</tr>
<tr>
<td>livestock exports from horn of Africa, concerns over 518–19</td>
</tr>
<tr>
<td>agri-environmental governance models under CAP 113–24, 532</td>
</tr>
<tr>
<td>biodiversity gains, moderate 119</td>
</tr>
<tr>
<td>cross-compliance commitment 116</td>
</tr>
<tr>
<td>decoupled payments under Pillar II 118–19</td>
</tr>
<tr>
<td>direct income transfers 116–17</td>
</tr>
<tr>
<td>export subsidies, abolition of 117, 118 and fiscal retrenchment 118–23</td>
</tr>
<tr>
<td>Less-favoured Areas Directive (Directive 75/268) 116</td>
</tr>
<tr>
<td>multifunctionality in WTO 116–18</td>
</tr>
<tr>
<td>neo-liberal model 117–18</td>
</tr>
<tr>
<td>and New Public Management 121</td>
</tr>
<tr>
<td>'payments for ecosystem services' (PES) 119–23</td>
</tr>
<tr>
<td>'payments for ecosystem services' (PES), entrepreneurialism aspect 121–2</td>
</tr>
<tr>
<td>'payments for ecosystem services' (PES), results-orientated payments 121</td>
</tr>
<tr>
<td>restructuring policy and Mansholt Plan rejection (1968) 115</td>
</tr>
<tr>
<td>rural development programmes 115–16</td>
</tr>
<tr>
<td>scientific assessments, scarcity of 119</td>
</tr>
<tr>
<td>Single Farm Payment and Mid-term Review 117, 118</td>
</tr>
<tr>
<td>state funding of green payments 114–15</td>
</tr>
<tr>
<td>working lands, sustaining commitment to 114–16, 118–19, 121, 123</td>
</tr>
<tr>
<td>WTO Green Box compatibility 117</td>
</tr>
<tr>
<td>see also environmental dimension of agriculture and CAP</td>
</tr>
<tr>
<td>agri-food</td>
</tr>
<tr>
<td>EU as net exporter 446, 447</td>
</tr>
<tr>
<td>trade with developing countries 487, 490</td>
</tr>
<tr>
<td>'agricultural activity' requirement and Direct Payments Regulation 422–4, 429–31</td>
</tr>
<tr>
<td>see also direct payments</td>
</tr>
<tr>
<td>Aid for the Needy scheme 23</td>
</tr>
<tr>
<td>Albissini, F. 369</td>
</tr>
<tr>
<td>Alcohol Labelling Directive 273</td>
</tr>
<tr>
<td>see also food labelling requirements and CAP 2020 aims</td>
</tr>
<tr>
<td>Alston, P. 467, 475, 476</td>
</tr>
<tr>
<td>Anania, G. 497</td>
</tr>
<tr>
<td>Anderson, K. 3, 404</td>
</tr>
<tr>
<td>animal breeds as PDO 292</td>
</tr>
<tr>
<td>see also Quality Schemes for Agricultural Products and Foodstuffs Regulation</td>
</tr>
<tr>
<td>animal welfare legislation and public morality 323–40, 534</td>
</tr>
<tr>
<td>Battery Hen and Broiler Chicken Directives 336, 338–9</td>
</tr>
<tr>
<td>Cat and Dog Fur Regulation 336, 337–8</td>
</tr>
<tr>
<td>CIWF (Compassion in World Farming) and animal exports 334–5</td>
</tr>
<tr>
<td>export of live cattle 332–5</td>
</tr>
<tr>
<td>Foot and Mouth Control Directive 335</td>
</tr>
<tr>
<td>free movement of workers 331–2</td>
</tr>
<tr>
<td>harmonizing EU legislation, importance of 324, 333, 334, 335, 336</td>
</tr>
<tr>
<td>Inuit hunt exception, and UN Declaration on the Rights of Indigenous Peoples 324, 327</td>
</tr>
<tr>
<td>Leghold Trap Regulation 336, 337</td>
</tr>
<tr>
<td>morality in CJEU decisions 332–6</td>
</tr>
<tr>
<td>organic food and farming 319</td>
</tr>
<tr>
<td>public morality as factor in internal market decision-making 329–30</td>
</tr>
<tr>
<td>seal products, Canadian and Norwegian litigation 325–9</td>
</tr>
<tr>
<td>seal products, exceptions to products being placed on market 324</td>
</tr>
<tr>
<td>Seal Products Regulation 324–9, 337, 534</td>
</tr>
</tbody>
</table>
Seal Products Regulation, public morality definition 325–7, 330
TBT Agreement 327
third country animal welfare, legislating for 336–9
UK Customs Consolidation Act 329–30
WTO 323, 325–9
see also livestock
Annan, K. 463, 464, 465
antibiotics in animal farming, concerns over use of 309, 314, 319
Antón, J. 86–110, 449
apicultural aid schemes 68, 78, 79
Applegate, J. 341
arable land
as ecological focus area (EFA) 428–9
extent 127
green measures to modify cropping 145–7
Area of Outstanding Natural Beauty, UK 162, 163
Areas Facing Natural Constraints (ANCs) 55, 56, 140, 192, 197
Attias, A. 381
Austria
agri-environmental measures 240
agricultural employment 38
direct payments 31, 32, 35
food-based biofuels 216
insurance programmes 90
organic food consumption 240
Bailey, D. 74
Bainbridge, T. 8, 437
Baldock, D. 125–49
bananas
and Cotonou Agreement 489, 495
EC – Bananas 387, 388, 393–5, 397, 526
and Everything But Arms initiative 489, 515–16
import tariffs 441
and preferential import access 456, 497
see also fruit and vegetable sector
Baquet, A. 95
Barfoot, P. 349
Barnett, B. 96
Barrett, C. 481
Barrett Lydgate, E. 204, 215
Bartels, L. 527
Bartram, J. 223
Basic Payment 54–5, 57, 58, 536, 537, 538
see also direct payment regime
Baskin, Y. 243
Basnett, Y. 517
Bastaensens, J. 120
Batie, S. 121
Battery Hen and Broiler Chicken Directives 336, 338–9
Baudry, J. 134
beef
Beef Labelling Regulation 282–3
collective bargaining 81–2
and Cotonou Agreement 495
export subsidies 403, 502
intervention prices 399, 497, 498
and MacSharry reforms 397–8
and partial coupling 500, 501
support prices 19
tariff rate quotas 408, 409, 410, 445
veterinary clearance countries 491
see also meat
Belgium
agricultural employment 7, 38, 480
direct payments 31, 32, 35
insurance programmes 90
nutrient surpluses 223
residence permits 331
Bell, S. 226
Bellivier, F. 375
Bertheau, Y. 352
Bertow, K. 485
Better Training for Safer Food Programme 518
Bianchi, D. 43, 50, 57, 75
Bielza Diaz-Caneja, M. 90
Binimelis, R. 350
biodiversity
and agri-environmental governance models 119
Biodiversity Broad Habitat Classification for semi-natural areas, UK 155–6, 162, 166, 167
concern, climate change response 174, 189, 190, 194
EU 2020 Biodiversity Strategy 254, 255
and wider ecosystems, effects on 127–8
see also ecological focus area (EFA);
environmental dimension of agriculture and CAP
biofuels policy 203–21
‘advanced’ biofuels made from waste and algae 214, 216, 219
Biofuels Directive 206–7, 211, 212
cash crops in developing countries 456
climate change response 177, 182, 185
‘climate friendly’ potential 203
cross-compliance criteria applicable to direct payments for agricultural feedstocks 209
and developing countries 456, 486, 491
direct payments and decoupling of income support as support for biofuels 212
drivers for promotion of biofuels 211–15
Energy Crop Payment removal 212, 213
and energy security 204, 206, 211
environmental dimension 130–31
EU Strategy for Biofuels 207, 211, 212
food-based biofuels, removal of incentives 216–20
GHG emissions reductions 208–9, 210, 211, 213–14, 215–17, 219
groundwater pollution claims 215
income diversification opportunities 211
indirect land-use change (ILUC) 205–6, 210, 214–18, 219–20
land conversion protection 209
market building focus 207, 208, 210, 211
National Renewable Energy Actions Plans (NEAPs) 208
production target 207–8
rapeseed production for biodiesel 214
rural development, opportunities for sustainable 211
set-aside scheme removal 212, 213, 214–15
sugar production and support for development of biofuels industry 212–13
sustainability requirements 206–7, 208–9
transport fuels, biofuels use in 206, 210, 214
Biswas, A. 249
Blair House Agreement 442–3
Blandford, D. 131, 170–202, 320, 449, 457
Blockx, J. 84
Blumann, C. 75
Bodigueul, L. 349, 365, 368–83, 449
Boisvert, V. 119
Bonnet Dunbar, M. 264
Bonsmann, S. 273
border protection and tariff erosion 444–9
see also food security
Borgmeier, I. 270
Boschert, K. 353
Bourgeon, F. 376
Bourguignon, F. 509
Bowyer, C. 208, 215
Boyle, S. 231
Brenton, P. 515, 527
Brink, L. 419
Brüntrup, M. 516
Buckwell, A. 13, 29
buffer zones 145, 188, 237, 241, 253, 351, 353–4, 365, 499
Bulgaria 23, 31, 32, 35, 38
Buller, H. 115–16, 240, 241
Bureau, J. 214, 215, 485, 516–17
Burrell, A. 406, 447
Burton, R. 118
Bustamante, M. 493
Byrd-Bredbenner, C. 279
Cafiero, C. 99
Canada
AgriInvest scheme 102
‘AgriStability’ payments 101–2
Comprehensive Economic and Trade Agreement (CETA) with EU 445
EU–Canada FTA 408–9
seal products litigation 325–9
Candel, J. 492
CAP
agri-environmental governance models see agri-environmental governance models under CAP
animal welfare legislation see animal welfare legislation and public morality
biofuels policy see biofuels policy
climate change response see climate change response
direct payments regime see direct payments regime
environmental dimension of agriculture see environmental dimension of agriculture and CAP
and European Consensus on Development implementation 512, 519–24, 528
food security see food security
GMO cultivation see GMO cultivation
‘greening’ direct payments see WTO Green Box and post-2013 CAP ‘greening’ direct payments
integrated water resources management see integrated water resources management and CAP
organic food and farming see organic food and farming
Quality Schemes see Quality Schemes for Agricultural Products and Foodstuffs Regulation
risk management provisions see risk management provisions in CAP
technofoods see technofoods and food safety policy
water pollution see water pollution
CAP 2020
and climate change see climate change response
direct payments regime 54, 55, 56–7
environmental dimension of agriculture 144–8
food labelling requirements see food labelling requirements and CAP 2020 aims
integrated water resources management 251–7
CAP Agenda 2000 19, 20, 21, 22, 24–5, 36, 79
climate change response 187, 193, 194–5
compensatory direct payments 487
Mid-term Review see Mid-term Review
CAP and development 485–504, 531–2
agri-food trade with developing countries 487, 490
biofuels 456, 486, 491
CAP 2013 reforms and effects on developing countries 493–503
cash crop exports to EU and productive use of land in developing countries 490–91
compensatory direct payments, MacSharry Report and Agenda 2000 reforms 487
consumer concerns, effects on developing countries 491
coupled payments and Direct Payments Regulation 501
crop diversification 493
cross-compliance conditions 499
decoupled payments and 2013 reforms 493, 499
and direct payments distribution 493–4, 499–501
diversification of imports and exports in developing countries 487–8
domestic support effects on developing countries 497–501
ecological focus area (EFA) requirements 492, 493
EU policies, and agriculture in developing countries 486–93
Everything But Arms initiative and duty-free and quota-free access to least-developed countries (LDCs) 489, 495
export subsidies, effects of 488–9, 502–3, 513, 521
food imports and sustainability concerns 491
future global food production challenges 492–3
global food crisis effect on prices 492, 495
‘green payments’ 493, 500
market access and 2013 reforms 494–7
milk quotas, elimination of 499
most-favoured-nation (MFN) applied tariffs 495, 496–7, 513, 516
organic farming 486, 490
past distorting impact of EU overproduction, claims of 490–91
permanent grassland maintenance 493
poverty and food security, factors influencing 488
preferential market access to favoured groups of developing countries 489, 495–7
private storage aids (PSA) 498
Rural Development Regulation and innovation encouragement 490, 493–4
sanitary and phytosanitary (SPS) standards as barriers to exports 354–5, 360, 491–2
seasonal tariffs on fruit and vegetables 494
Single Area Payment Scheme 501
Single CMO Regulation 498, 502
special safeguard (SSG) duties on specified agricultural products 494–5
sugar quotas, elimination proposal 498–9
total factor productivity decline 487
WTO AoA and agricultural tariffs 494–5, 502
and WTO’s category of Green Box domestic supports 490
see also European Consensus on Development implementation
CAP, Doha Round impact 387–411, 537
Agenda 2000 reform of CAP 397–403
Aggregate Measurement of Support (AMS) limits 392, 406
Bali Ministerial 404, 407–8
CAP 2013 reform 400–401
CAP ‘Health Check’ (2009) 400
CAP in WTO context 389–97
Community Preference over imported products 390
competition violation and trade law and EC – Bananas 393–4
competitiveness and market mechanisms 401, 405, 406–7
consumer concerns, inclusion of 399
cross-subsidization and EC – Sugar 396–7
Doha Agricultural Modalities 404–9
EC – Bananas and EC – Sugar disputes 393–7
environmental protection 399, 400, 403, 405
EU Trade Policy Review on tariff quotas 407
export subsidies 388, 390–96, 402, 403
food security as priority 401–2, 403, 404–5, 410, 460
free trade agreements and tariff rate quotas (TRQs) 408–9, 410–11
Generalized System of Preferences (GSP) and bilateral trade agreements 402–3
MacSharry reforms 397–8
and Mid-term Review 399–400
and multifunctional nature of agriculture 399–400, 403
post-colonial development issue and EC – Bananas 393
private enterprise abuse of WTO mechanisms and EC – Bananas 394–5
production-limiting programmes 398
‘sensitive products’ and tariff cuts, designation of 405–6, 407
set-aside measures and sustainable production 399
Single Payment Scheme 399–400
sugar beet production surplus 395
tariff agreement 390–91
tariff rate quotas (TRQs), possible expansion of 406–9
Uruguay Round Agreement on Agriculture (AoA) 16, 18, 388–92, 395–6, 404–7, 443, 444–5, 448–9, 531
see also WTO Doha Round
CAP history, early 3–40
Agenda 2000 19, 20, 21, 22, 24–5, 36, 79
agricultural employment decline 4, 6, 7
Aid for the Needy scheme 23
Berlin Wall collapse effects 17
Buckwell Report 13, 29
Central and Eastern European (CEE) liberalization effects and Fischler reforms 18–21, 28
Cioloş reforms 23, 24–5, 29, 82, 514
cross-compliance measures 20
direct payments 18, 19, 20–21, 22, 23, 24–5, 28–37
earnings levels 3–4, 6, 7, 32, 33, 34
ecological focus areas (EFAs) 24–5
environmental conservation 18, 35–6
EU budget revenue (1958–2008) 10
European Agricultural Guidance and Guarantee Fund (EAGGF) 8
European Exchange Rate Mechanism introduction (1979) 15
export subsidies 16, 28
first EEC enlargement effects (1973) 11–13
food security issues 25
Globalisation Adjustment Fund 23
‘Green Money’ and exchange rate variability 14–15
guaranteed prices support 8
harmonization approach 13–14
‘Health Check’ (2009) 21, 53
income support concerns 24, 30, 31–2, 33–5
innovation and R&D investment 4
intensive livestock production 6
intervention prices 9
Maastricht Treaty and Cohesion Fund 18
MacSharry reforms 16–18, 26–7, 28, 34, 53, 310–11, 392, 397–8, 441–2, 487, 532
Mansholt Plan 10–11, 33–4, 115
and market distortion 34–5
Mid-term Review commitment 19–20, 21
milk quotas 15, 21, 25
modulation measures 20–21, 28
Multiannual Financial Framework (MFF) 21–3, 28, 41
Natura 2000 network 35–6, 128, 193, 199
Nominal Rate of Assistance (NRA) 25–7, 29
OECD Producer and Consumer Support Estimates 27–8
overproduction problems and surpluses 10–11, 13, 15, 26
producer co-responsibility (1980s) 15–16
public goods provision 35, 36, 39
redistribution options 36–7
retirement grants and retraining 10
rice support prices 21
SAPARD (Special Accession Programme for Agriculture and Rural Development) 19
set-aside measures 17–18
Single European Act (1987) effects 16
Single Payment Scheme 20, 21, 28, 35
Stresa Conference 8, 390, 437, 441
subsidies and marketing support 6, 7, 8
sugar quotas 15
tariff protection 6, 7, 8–9
threshold prices 9
UK net budgetary balance controversy (1984) 15–16, 19
world commodity price spike of 1973–75 12–13, 26
carbon capture 132, 177, 185, 200
see also climate change response
Cardwell, M. 41–61, 207, 209, 211, 261, 375, 413, 417, 418, 438, 448, 479, 482, 531–9
Caribbean
ACP (African, Caribbean and Pacific) countries 388, 393, 394–7, 489, 495, 497, 499, 508, 512–16, 519, 526
CARIFORUM Agreement 502–3, 512–13, 518
Carrière, M. 377–8
Carson, M. 263–4
Carson, R. 308
Cat and Dog Fur Regulation 336, 337–8
catastrophic risks 98, 99, 102–3, 106, 107, 109, 110
weather-related risks 95, 97
see also risk management provisions in CAP
Central and Eastern European (CEE) liberalization effects 18–21, 28 cereals
biofuels from 216–17
collective bargaining 81–2
export subsidies 46, 403, 502
fertilizer use 171
intervention prices 400, 497, 498
and MacSharry reforms 16, 17, 310–11, 392, 397–8
maize authorization, GMO cultivation 342, 362
reference thresholds 106
rice see rice support prices 8, 9, 19, 51, 89, 399, 400, 497
tariffs 482, 489, 495
Cernat, L. 516
CETA (Comprehensive Economic and Trade Agreement) with Canada 445
CH4 (methane) emissions see under emissions
Charles, C. 214
Charles, M. 214
Charlton, A. 517, 518
cheese supply and protected designations and geographical indications 72–3
see also dairy products
Chowdhury, S. 488
Cioloş reforms 23, 24–5, 29, 82, 514
climate change ‘climate friendly’ potential, biofuels policy 203
environmental dimension of agriculture and CAP 130–33
and food security 439, 449, 456, 457
legislation, and organic food and farming 320
climate change response 170–202
adaptation strategies 178–9, 186–7, 188, 189–92, 201
Areas with Natural Constraints voluntary scheme 192, 197
bio-energy production 177, 182, 185
biodiversity concerns 174, 189, 190, 194
CAP 2014–20, Commission’s proposals 189–92, 199
CAP 2014–20, final agreement 192–9
CAP 2014–20, limitations 199–201
CAP Agenda 2000 and agri-environmental measures 187, 193, 194–5
CAP Mid-term Review 187–8
capping of direct payments 198, 199
carbon capture 132, 177, 185, 200
CH4 emissions 170, 171, 175, 176, 177, 181–2, 185, 186, 187
CO2 emissions 170, 171, 175, 176, 177, 178, 180, 181–2, 187, 188
consumer choices and consumption patterns 179
coupled payments 197–8, 199
cover crops 185
crop diversification proposal 189
crop varieties, improved 185
cross-compliance measures 187, 188, 189, 192, 193, 199
direct payments’ reduction and redirection into innovation measures 191
ecological focus areas (EFAs) 189, 190, 194, 199
economic diversification 179
EU agriculture as contributor to climate change 175–8
extensive and intensive systems of crop and livestock production, choice between 180–84
extreme weather events, effects of 171, 172, 174, 179
Farm Advisory System (FAS) 187, 190–91, 196, 199, 201
fire management 175, 181, 187
good agricultural and environmental condition (GAEC) standards 187–8, 189, 193
grazing land management and pasture improvement 185, 187
‘greening’ package 189, 190, 193, 194–5, 199, 201
‘Health Check’ (2009) effects 188
industrial production of agricultural inputs 178
infrastructure improvements 179
Integrated Pollution Prevention and Control Directive 188
Intergovernmental Panel on Climate Change (IPCC) report on emissions from agriculture 176, 180–85
knowledge transfer and innovation 195, 199
land drainage effects 175
land use management 176, 177, 178, 180–84, 185–6, 189, 193, 200, 201
Less-favoured Areas support 188
livestock management 176, 182, 185–6, 188, 200
manure management 176, 182, 185
mitigation strategies 179–87, 188, 189–92, 199–201
N2O emissions 170, 171, 175, 176, 177, 181–2, 184–5, 186, 187, 190
Natura 2000 areas 193, 199
Nitrates Directive 188, 200
nutrient management (fertilizers) 174, 175, 178, 180, 181, 182, 184–5, 187, 188, 190, 200, 201
on-farm energy use 176, 177
organic farming 184, 190, 200
payments to young farmers, effects of 191, 197
permanent grassland maintenance 190, 193, 199
Pesticides Directive 189
polluter pays principle 179, 201
productivity and farm income effects 178–9
public sector involvement 178, 179
regionalization and payment distribution effects 191, 196–8
renewable energy use 177
restoration of degraded lands 182, 184, 187
rice management 181, 187
risk management tools 179, 188, 190, 195, 199
rural development 190–91, 193, 194–5, 199–200
set-aside measures 184, 186, 188, 194, 201
Small Farmers’ Scheme, potential negative impact 189, 191–2, 199
soil erosion 174, 178, 190
Soil Framework Directive proposal 189
soil management 174, 185, 189, 190, 193
sustainable development, importance of 186–7
temperature rise effects 171–3
training, advisory services and public information programmes 179, 186, 187, 190–91
tree planting 185
Water Framework Directive (WFD) 188–9, 193
water management 173–4, 178, 181, 186, 187, 188–9, 201
CO₂ emissions see under emissions
Coble, K. 99
Coleman, W. 17, 309, 397
Collart Dutilleul, F. 370
Collier, P. 451
Colman, D. 15
Community Preference principle 390, 438, 444–9, 459, 531–2
Compassion in World Farming (CIWF) and animal exports 334–5
compensation, and water resources management and pollution 242–3, 255–6
competition rules and CAP, relationship between 73–4, 77, 82–4, 393–4
competitiveness and market mechanisms 401, 405, 406–7
CONCORD (European Confederation for Relief and Development) 508, 511
consumers
climate change response to choices and consumption patterns 179
consumer concerns, effects on developing countries 491
consumer concerns, inclusion in Doha Round 399
and food poverty 461–2
food provenance and safety concerns 287
nanofoods information 380–83
organic food consumption increase 306–7
protection, and food labelling requirements 274, 277
Cooper, T. 54, 119, 128, 132, 139, 239, 262, 415, 416, 431
COPA (Committee of Professional Agricultural Organisations) 116, 118
Cordes, K. 410
Corti-Varela, J. 354
Costa, C. 486
Costanza, R. 243
Cotonou Agreement 489, 495, 497, 508–9, 512, 515
cotton
coupled payments 501
and MacSharry reforms 441
production support 519–22
Coudrick, L. 244
coupled payments 197–8, 199, 501
see also decoupled payments
Courtis, C. 471
Cowap, C. 245
Cowburn, G. 270
Craig, P. 64, 67
Croatia 23, 38
Crombez, C. 16
crop insurance see insurance subsidies
cross-compliance measures 20, 532, 533, 537
biofuels policy 209
climate change response 187, 188, 189, 192, 193, 199
and developing countries 499
direct payments regime 50
environmental dimension 116, 138, 141, 143
integrated water resources management 253, 254, 262
water pollution 235–7, 241
Cyprus 31, 32, 35, 38, 223
Czech Republic 31, 32, 35, 38, 90
Daily, G. 243
dairy products
  cheese and protected designations and geographical indications 72–3, 291–2
Milk Package and collective bargaining 72–3, 77, 81–2
milk quotas 15, 21, 25, 69, 77, 499
milk support prices 19
price support 100
private storage aids (PSA) 498
reference thresholds 106
school milk schemes 69, 76, 78, 79
skimmed milk powder 15, 69, 80, 96, 106, 497, 498
Dantin Report 77
Darrow, M. 465, 466, 467
Daugbjerg, C. 209, 210
Davey, C. 119
Davies, S. 276
De Cicco, J. 204
De Gorter, H. 4
De Sadeleer, N. 345
De Schutter, O. 410, 451, 477
decoupled payments
  agri-environmental governance models
    under CAP 118–19
  and biofuels policy 212
  and CAP 2013 reforms 493, 499
environmental dimension 131, 136, 138, 141–2
food security 441–2, 454–5
  and Mid-term Review 49–53, 54–5
WTO Green Box and post-2013 CAP
  ‘greening’ direct payments 414, 420–24
  see also coupled payments; direct payments regime
degraded lands, restoration of 182, 184, 187
Delmas-Marty, M. 370
Demont, M. 353
Denmark 6, 7, 31, 32, 35, 38, 223
Desmarais, A. 451
Desta, M. 438, 463–84, 491, 506, 519
developing countries
  and CAP see CAP and development
  food aid 460, 477–83
  food security 443–4, 445, 455–7, 458
UN Millennium Development Goal on reduction of hunger 478, 480, 483
  see also European Consensus on Development implementation
Devos, Y. 353
Dhondt, N. 246
Di Lauro, A. 368–83, 449
Di Lucia, L. 206, 207, 214, 218, 221
direct payments regime 41–61, 532, 536–7
  agricultural and non-agricultural earnings, distinguishing between 45
  area-based allocations of entitlements 57–8
  Areas with Natural Constraints, targeted payments 55, 56
  Basic Payment see Basic Payment
  climate change response 191, 198, 199
  cross-compliance measures 50, 209
current regime 53–61
  current regime, redistributive measures 56–9
degressivity obligation 58, 59
  and developing countries 493–4, 499–501
European Commission, Perspectives for the Common Agricultural Policy 44, 45, 47, 48
European Commission, The CAP towards 2020 54, 55, 56–7
  fair standard of living as social objective 43–6, 49–50, 51
  Fischler reforms 18–21, 28, 45, 49–50, 51, 487, 497, 500–501, 535
  funding allocation 41
  ‘greening payment’ 24–5, 29, 35–6, 55, 311, 532
  see also WTO Green Box
  history 18, 19, 20–21, 22, 23, 24–5, 28–37
  income support, new categories 55–6
  income support rise 46–55
  less-favoured area scheme (Directive 75/268)
  47–8
  market stabilization measures 44, 49–51
  Mid-term Review 42, 43, 44, 45, 46–7, 49–53, 56
modulation measures 52–3, 57–8
Multiannual Financial Framework 41
OECD, Farm Household Income Issues in OECD Countries 44
  public goods provision 42, 46, 50–51, 54–5
  publication of information on beneficiaries of agricultural aid 42
Redistributive Payment 59
risk management toolkit 56, 106
Single Area Payment Scheme funding allocation 41
Single Payment Scheme 41–2, 46, 49, 50, 51, 56, 57
Single Payment Scheme, Green Box exemption 51–2, 55, 56
Index

Single Payment Scheme, potential weaknesses 51
size of holding and financial strength 57–8
subsidy levels received by large landowners, concerns over 41–2
transitional aids to agricultural income 47, 48–9
young farmers, targeted payments 55–6
see also decoupled payments; subsidies

Direct Payments Regulation 254, 421–4, 427–8, 434, 501

Disdier, A. 516
diversification 179, 189, 211, 426–7, 434, 453–4, 493

Dobbs, M. 137, 341–67
domestic support see national involvement

Dougan, M. 333
Drinking Water Directive 136, 244
drought and flood prevention 250, 258–60, 265–6

Dunn, J. 123
duty-free quota-free (DFQF) access to Least-Developed Countries (LDCs) 445, 458, 489, 495
European Consensus on Development implementation 512–16, 526–7

Dworak, T. 129

Eaton, G. 42
ecological focus area (EFA) arable land as 428–9
CAP history 24–5
capital change response 189, 190, 194, 199
and developing countries 492, 493
environmental dimension of agriculture 145–6
see also biodiversity
economic aspects of farmer choice, GMO cultivation 350–51, 352, 365
economic incentives, need for, integrated water resources management 262–3, 264
Economic Partnership Agreements (EPAs) 512, 513–14, 518
‘ecosystem services’ approach, water management and pollution 243–5, 248, 250–51, 257–8, 261, 262–4
ECOWAS Agreement 514

Elbehri, A. 203
Elliott, K. 527
emissions
CH₄ (methane) 170, 171, 175, 176, 177, 181–2, 185, 186, 187
CO₂ 170, 171, 175, 176, 177, 178, 180, 181–2, 187, 188
EU Roadmap for GHG emissions reduction 131, 132, 133
N₂O 170, 171, 175, 176, 181–2, 184–5, 186, 187, 190
reductions, biofuels policy 208–9, 210, 211, 213–14, 215–17, 219

Endres, A. 353
energy
biofuels policy see biofuels policy
fuel oil storage 227
on-farm energy use 176, 177
values (calories), and food labelling 272–3, 276

Engel, P. 528
environmental dimension of agriculture and CAP 125–49, 532–3
agricultural drivers of environmental change 133–5
arable cropping, green measures to modify 145–7
Areas Facing Natural Constraints (ANCs) 140
biodiversity and wider ecosystems, effects on 127–8
biofuel policy 130–31
CAP history 18, 35–6
capital towards 2020 144–8
climate change concerns 130–33
cross-compliance measures 138, 141, 143
decoupling measures 131, 136, 138, 141–2
Doha Round impact 399, 400, 403, 405
Drinking Water Directive 136, 244
ecological focus areas (EFAs) 145–6
emission reduction goals for 2020, importance of meeting 131
environmental impact of agricultural production 126–35
EU Roadmap for GHG emissions reduction 131, 132, 133
European Agricultural Fund for Rural Development (EAFRD) 143
GHG emissions 128, 129, 130, 131–2
GMO cultivation 344, 346, 352, 358, 359–60
‘good agricultural and environmental condition’ (GAEC) requirement 141, 142, 144
‘greening’ within CAP, initial steps towards 140–48
Habitats Directive 136
‘Health Check’ (2009) effects 142
High Nature Value (HNV) agriculture 138, 143, 147
incentives, use of 135–6, 137, 138–9, 144–5
indirect land use change (ILUC) 130–31
livestock sector, low stocking rate encouragement 147
Mid-term Review effects 136, 141–2
Natura 2000 network and protected semi-natural habitats 128
Nitrates Directive 136, 137
nitrogen use 128
organic production systems 138, 143, 310, 311–12, 319
penalties for breaches in greening requirements 147
Pesticides Directive 137
policy interventions 135–40
policy interventions, implementation problems 137–8
production and trade patterns, effects of 129–30, 133–6
‘public money for public goods’ argument 139
River Basin Management Plans 129
ruminant livestock reduction and CH₄ emissions 131–2
rural development programmes 143
Soil Framework Directive proposal 137
soil and water pollution 126, 128–9, 136
voluntary agri-environment incentive schemes 140
Water Framework Directive 136
Wild Birds Directive 136
wildlife (farmland bird and butterfly species), decline in 128
see also agri-environmental governance models under CAP; biodiversity; ecological focus area (EFA)
environmental impact assessment, UK see UK, environmental impact assessment application to intensive agriculture
environmental protection, DoHA Round impact 399, 400, 403, 405
‘equivalent’ practices, understanding of 424, 426
Erjavec, E. 500
Erlbacher, F. 66
Estonia 31, 32, 35, 38
Ethiopia, famines 469, 470, 481
EU Trade Policy Review on tariff quotas 407
European Agricultural Fund for Rural Development (EAFRD) 143
European Agricultural Guidance and Guarantee Fund (EAGGF) 8
European Consensus on Development implementation 505–28
ACP (African, Caribbean and Pacific) countries, links with 508, 512, 513–14, 515–16, 519, 526
Better Training for Safer Food Programme 518
biofuels and Renewable Energy Directive 522–3
CARIFORUM Agreement 512–13, 518
CONCORD (European Confederation for Relief and Development) 508, 511
Cotonou Agreement and dialogue with developing countries 508–9, 512, 515
cotton production support 519–22
duty-free quota-free (DFQF) treatment 512–16, 526–7
Economic Partnership Agreements (EPAs) 512, 513–14, 518
ECOWAS Agreement 514
EU Development Cooperation Policy, Agenda for Change 509–10, 525–6
European Development Fund 517, 518, 519
Everything But Arms (EBA) initiative and Generalised System of Preferences (GSP) 512, 514–16, 521, 526–7
export subsidies 513, 521
food price crisis and food security 522
food security 522, 523, 524
‘Health Check’ (2009) and food security 524
human rights focus 510, 525–6
livestock exports from horn of Africa, concerns over 518–19
market access 512
Millennium Development Goals (MDGs) and poverty eradication 505–6, 509, 525
most-favoured-nation provisions 513, 516
OECD Better Policies for Development report 523
OECD Development Assistance Committee review 511
Policy Coherence for Development (PCD) 506, 507–11, 512, 517, 519–20, 521–2, 523, 524
Policy Coherence for Development (PCD), monitoring mechanism 510–11
Policy Coherence for Development (PCD), priority areas 508–9
poverty eradication 505–6, 509, 512–13
preference schemes, efficiency suggestions 527–8
rules of origin constraints 517
Single Farm Payment (SFP) introduction 519, 520
sugar sector restructuring 519
supply-side constraints on trade 516–17, 518–19
WTO Agreement on Agriculture (AoA) and cotton production 520–22
WTO Aid for Trade (AfT) 517–18, 519, 525
WTO Enhanced Integrated Framework (EIF) and trade-related assistance to developing countries 517
see also CAP and development
European Development Fund 517, 518, 519
European Environment Agency (EEA) Current Status and Future Challenges report 260–61
European Food Safety Authority (EFSA) 275, 344, 345–6, 357, 376, 381–2
European Network for Rural Development 121
European Veterinary Fund 89, 91, 108
European Year of Water (2012) 249–50, 260
eutrophication (algal blooms on surface waters) 223–4, 228, 229–30
see also water pollution
Everything But Arms (EBA) initiative 489, 495, 512, 514–16, 521, 526–7
export of live cattle 332–5
export promotion as stimulus to increase farm security 460
export subsidies
agri-environmental governance models 117, 118
CAP history 16, 28
and developing countries 488–9, 502–3, 513, 521
Doha Round impact 388, 390–96, 402, 403
food security 442–3, 448–9, 460
risk management provisions 106
Single Common Market Organization (CMO) Regulation 76, 77, 79, 82
see also import levels; overproduction; preferential market access; tariffs
exporters, major, organic food and farming 307
extreme weather events 171, 172, 174, 179
see also climate change response
factory farming concerns 309
fair standard of living as social objective 43–6, 49–50, 51
FAO (Food and Agriculture Organization) 318–19, 467, 473, 475
Farm Advisory System (FAS) 187, 190–91, 196, 199, 201, 238–9, 253
Faull, J. 74
Fearne, A. 8
Fennell, R. 8, 43, 44
Ferreira Filho, J. 491
fertilizer use 171, 230
nutrient management 128, 174, 175, 178, 180–82, 184–5, 187, 188, 190, 200, 201
see also manure management
Finco, A. 213
Finland 31, 32, 35, 38
fire management 175, 181, 187
Fischler reforms 18–21, 28, 45, 49–50, 51, 487, 497, 500–501, 535
see also direct payments regime
Fleurke, F. 345
flood and drought prevention 250, 258–60, 265–6
food additives, and nanotechnology 379–80
Food and Agriculture Organization (FAO) 318–19, 467, 473, 475
food aid 460, 477–83
food distribution programme for most deprived persons 69–70
Food Information Regulation 270–71, 273–5, 275–81, 380–81
food labelling requirements and CAP 2020 aims 269–84, 533
additive use 271
advertising and marketing of food regulation requirements 273, 278
Alcohol Labelling Directive 273
alcoholic strength of beverages 272
Beef Labelling Regulation 282–3
consumer protection 274, 277
country of origin or place of provenance labelling 281–2
development of food labelling rules 271–3
energy values (calories) 272–3, 276
European Food Safety Authority (EFSA) role 275
fat, salt and sugar content 276, 280
food business operator, implementation responsibilities 274
Food Information Regulation 270–71, 273–5
Food Labelling Directive (1979) 271–2
Food Law Regulation 269, 274, 373, 374–5
free movement of food 274, 279
Gases and Sweeteners Directive 273–4
harmonization of additional labelling formats 277
health promoting properties based on reliable scientific evidence 278
horsemeat controversy 282, 283
ill-effects of poor diet, lack of legislative action to minimize 279
labelling, first standardized legal definition 272
language stipulations 271
mandatory particulars on all pre-packaged food labels 275
meat labelling 281–3
Nutrition and Health Claims Regulation 280
Nutrition Labelling Directive 272–3, 276
nutrition labelling, Food Information Regulation 275–81
obesity rates, concerns over 269–70, 275–6, 277–9, 283–4, 533
‘per portion’ reference 276, 280
Phytosterols and Phytostanols Regulation 274
protected designations of origin and geographical indications (PDOs and PGIs) 281
provenance disclosures 270
quantitative ingredient declarations (QUID) 272, 273
Quinine and Caffeine Directive 273
self-regulation in advertising sector, concerns over 278
signpost labelling (traffic lights) 270, 277, 279–81
‘use by’, use of term 272
White Paper on Obesity 277–9
see also Quality Schemes for Agricultural Products and Foodstuffs Regulation
Food Law Regulation 269, 274, 373, 374–5
food safety, and technofoods see technofoods and food safety policy
food security 437–62, 531–2, 533
and affordability 450–51, 461
Bali WTO Ministerial Conference, Agreement on Trade Facilitation 457–9
biofuels as cash crops in developing countries 456
Blair House Agreement and export subsidies 442–3
border protection and tariff erosion 444–9
CAP history 25
and CAP reforms 452–5
climate change effects 439, 449, 456, 457
and Community Preference principle 438, 444–9, 459, 531–2
Comprehensive Economic and Trade Agreement (CETA) with Canada 445
consumer security and food poverty 461–2
crop diversification or crop rotation comparison 453–4
decoupled payments 441–2, 454–5
definition 449–51
developing countries 443–4, 455–7
Doha Round impact 401–2, 403, 404–5, 410, 460
domestic support 441–2, 443, 459
‘duty-free quota-free’ (DFQF) access to Least-Developed Countries (LDCs) 445, 458
energy security and biofuels 456
EU as net agri-food exporter 446, 447
European Consensus on Development implementation 522, 523, 524
European Partnership Agreements and Cotonou Agreement 444, 445
export promotion as stimulus to increase farm security 460
export subsidies 442–3, 448–9, 460
food aid abuse 460
food sovereignty 451–2
future policies 457–60
MacSharry reforms and Single Farm Payment (SFP) introduction 441–2
market access 440–41, 458, 459
Marrakesh Decision on Least-Developed and Net Food-Importing Developing Countries (NFIDC) 443–4
Mutual Recognition Agreement (MRA) and Novel Food Regulation 456
Non-Trade Barriers (NTB) 453
novel food from developing countries 455–6
poverty and food security in developing countries, factors influencing 488
preferential tariff regimes 445
Producer Subsidy Equivalent (PSE) and CAP subsidies 447–8, 453
public food stockpiles policies 458
re-coupling argument 454–5
and Regional Trade Agreements (RTAs) 445–6, 453, 455–6, 459
Transatlantic Trade and Investment Agreement (TTIP) 447
Transpacific Partnership Agreement (TPP) 446–7
UN Millennium Development Goal on reduction of hunger 473–4
WTO Agreement on Agriculture (AoA) rules 440–44
WTO Agreement on Agriculture (AoA) rules, tariffication process 440–41, 444–7, 458, 459
WTO Amber Box expenditures 441, 451, 452, 458
WTO Green Box and post-2013 CAP ‘greening’ direct payments 415–16
WTO Green Box programme 441, 442, 454, 458
food-based biofuels, removal of incentives 216–20
see also biofuels policy
Foot and Mouth Control Directive 335
France
agricultural employment 7, 38, 480
cheese PDO 292
direct payments 31, 32, 35
disaster and tax deduction scheme 102
food-based biofuels 216
GM maize ban 356
insurance programmes 90
nitrate fertilization reduction 241–2
Protected Geographical Indications (PGIs) 302–3
water quality protection and Vittel mineral waters business 244
Francois, J. 526
free movement of food 274, 279
free movement of workers 331–2
Freibauer, A. 192
Fritz, T. 485
fruit and vegetable sector
bananas see bananas
E. coli outbreak, Germany (2011) 70, 84
entry price system 82
financial aid for producer organizations 79
marketing standards 75, 80
olive products see olive products
producer organizations, recognition of 81
reform (2007) 71–2
school fruit schemes 69, 76, 78, 79
seasonal tariffs 494
fuel oil storage 227
Gabre-Madhin, E. 469
Galeazzi, G. 508
Gallezot, J. 516
Gardner, B. 100
Garnett, T. 132, 180
Garzon, I. 62
Gases and Sweeteners Directive 273–4
Gasiorek, M. 516
generic names 291–2
see also Quality Schemes for Agricultural Products and Foodstuffs Regulation
Georgieva, M. 19
Gerasimchuk, I. 213, 214, 216, 218, 220
Germany
agricultural employment 7, 38, 480
direct payments 31, 32, 35
E. coli outbreak (2011) 70, 84
insurance programmes 90
nitrogen use 128
nutrient surpluses 223
tariffs on imported grains, early 6, 7
GHG emissions see emissions
Gill, P. 470
Glauber, J. 99
global food production concerns 320, 321, 492, 495
global market growth, organic food and farming 304, 305
Globalisation Adjustment Fund 23
Glon, E. 353, 354, 365
GMO cultivation 341–67
admixture targets 349–50, 351, 353–4
co-existence and freedom of choice 346–52
co-existence and freedom of choice, legal framework 347–9
co-existence versus domination 353–4
domino effect reduction 353–4
economic aspects of farmer choice 350–51, 352, 365
environmental and human health protection 344, 346, 352, 358, 359–60
European Food Safety Authority (EFSA) role 344, 345–6, 357
future of co-existence 363–7
GMO exclusion as co-existence measure 354–6, 360, 364–6
GMO exclusion as co-existence measure, voluntary exclusions 355–6, 365
Greek compromise procedural limitation 358, 361–2, 363, 366, 367
harmonized approach to policy 342, 343–4, 348, 358, 363–4, 366–7
labelling thresholds 351–2, 353–4, 364–5
maize authorization 342, 362
national co-existence measures 348–52
national prohibitions 342, 356, 357–63
opt-out clause 357–63
and organic produce 309, 313, 314, 315–16, 319, 351
post-authorization controls and co-existence measures 345, 347–9, 366
prior authorization for cultivation requirements 344–5, 347, 361
protectionism concerns 348, 359
safeguard clauses 346, 357, 366
scientific uncertainty issues 345–6
Technical Barriers to Trade (TBT) Agreement 355, 360
and WTO sanitary and phytosanitary measures (SPS Agreement) 354–5, 360
see also technofoods and food safety policy
Gocht, A. 500
Gohin, A. 105, 486
‘good agricultural and environmental condition’ (GAEC) requirement 141, 142, 144, 187–8, 189, 193
Goodison, P. 489–90
Gouel, C. 486
Grabosky, P. 230
Gradeva, K. 516
grassland maintenance, permanent 190, 193, 199, 427–8, 493
grazing land management and pasture improvement 185, 187
Greece 31, 32, 35, 38, 90
GMO cultivation 358, 361–2, 363, 366, 367
olives PDO 292
‘green infrastructure’ provision, integrated water resources management 250–51, 254
green measures to modify arable land cropping 145–7
‘greening component’ effects, water pollution 237–8, 242
‘greening’, initial steps towards 140–48
‘greening’ package, climate change response 189, 190, 193, 194–5, 199, 201
‘greening’ payments
CAP history 24–5, 29, 35–6
and developing countries 493, 500
direct payments regime 24–5, 29, 35–6, 55, 311, 532
organic food and farming 311
state funding 114–15
WTO Green Box see WTO Green Box and post-2013 CAP ‘greening’ direct payments
greening requirements, penalties for breaches 147
Grethe, H. 339
Grossman, M. 230, 349, 365
Groundwater Directive 231–2, 236–7
groundwater pollution claims, biofuels policy 215
Grunert, K. 270
Gryson, N. 350, 352
Gunningham, N. 230
Guyomard, H. 50
Häberli, C. 390, 401, 437–62, 491, 527
Habitats Directive 136, 167, 242
Halada, L. 127
Hall, M. 204, 218, 220
Hall, P. 124
Hanley, N. 140
Hardaker, J. 95
harmonization approach
animal welfare legislation 324, 333, 334, 335, 336
CAP history 13–14
food labelling requirements 277
GMO cultivation 342, 343–4, 348, 358, 363–4, 366–7
Hart, K. 126, 134, 145, 146, 148
Harvey, D. 3–40, 42, 44, 46, 48, 51, 57, 60, 136, 187, 397, 442
Harwood, J. 95
Hassapoyannes, K. 131, 170–202, 320, 449, 457
‘Health Check’ (2009) 21, 53, 533
climate change response 188
Community co-financing 89, 90–91
and compulsory modulation 142
decoupled payments 487, 497, 500–501
direct payments regime 53, 58, 71–2, 79
food security 524
health concerns
GMO cultivation 344, 346, 352, 358, 359–60
obesity rates 269–70, 275–6, 277–9, 283–4, 533
health and safety information, organic food and farming 317
Heclo, H. 124
Hennessy, D. 95
Heri, S. 460
Hermitte, M. 347, 374
Hewitt, A. 516
High Nature Value (HNV) agriculture 138, 143, 147
Hill, B. 44
Hirsch, G. 65, 74
Hirsch, M. 479, 519
Hodge, I. 119
Holden, P. 518
Holder, J. 154, 168
Holmes, J. 203, 207, 213
Holzmann, R. 95, 96, 97
hops 69, 72, 79, 80, 81
Horridge, M. 491
horsemeat controversy 282, 283, 533
Howarth, W. 226, 246–66
Howse, R. 328, 329, 336, 360
Huber, R. 455
Hungary 31, 32, 35, 38, 90, 356
hunger reduction
Millennium Development Goals see UN Millennium Development Goal on reduction of hunger
see also poverty
Hunt, J. 348, 362
Hynes, W. 518
IFOAM (International Federation of Organic Agriculture Movements) 309, 313, 314, 318–19, 321
Iglesias, A. 178
import levels
and food aid 477–83
organic food and farming 307, 313–14, 316–18
preferential market access 402–3, 439, 445, 478, 489, 495–7, 527–8
sustainability concerns 491
see also export subsidies; tariffs
incentive schemes 135–40, 144–5, 262–3, 264
income diversification 179, 189, 211, 426–7, 434, 453–4, 493
income support see decoupled payments; direct payments regime
indirect land use change (ILUC) 130–31, 205–6, 210, 214–18, 219–20
information provision
Farm Advisory System (FAS) 187, 190–91, 196, 199, 201, 238–9, 253
publication of information on beneficiaries of agricultural aid 42
risk management skills and awareness improvement 93–4, 97
see also training
infrastructure investment 97, 179
Ingersent, K. 16
Innes, R. 96, 99
innovation 4, 191, 195, 199, 490, 493–4
insurance subsidies 89, 90–91, 97, 99, 102–3, 107
Integrated Pollution Prevention and Control Directive 188
integrated water resources management and CAP 246–66
CAP reform, CAP towards 2020 251–7
compensation payments 255–6
cross-compliance measures 253, 254, 262 definition 249
Direct Payments Regulation 254
economic incentives, need for 262–3, 264 ‘ecosystem services’ approach 248, 250–51, 257–8, 261, 262–4
EU 2020 Biodiversity Strategy 254, 255
EU Blueprint to safeguard Europe’s water resources 247, 250–1, 260
European Environment Agency (EEA) Current Status and Future Challenges report 260–61
European Year of Water (2012) 249–50, 260
farm advisory system 253
flood and drought prevention 250, 258–60, 265–6
Flood Risk Management Directive 258–9, 260
‘good status’ achievement obligation 248, 250, 256, 257–8, 261
‘green infrastructure’ provision 250–51, 254
Horizontal Regulation 253, 256
irrigation investments 256
and multifunctionality of agriculture 261–4
naturalization projects 264–6
non-commodity agricultural outputs as externalities or public goods 262–4
Pesticides Directive 252
qualitative water management 255, 257–8
quantitative water management 250, 256, 257, 258
resource efficiency promotion 254
Rio Earth Summit Conference, Agenda 21 249
River Basin Management Plans 250, 256, 257
Rural Development Regulation 255–6
‘slowing the flow’ approach 248
standards for good agricultural and environmental condition of land 253
statutory management requirements 253
sustainability focus 249, 250, 251, 253
watercourse management regimes, environmental support for 248
WWF projects 265
intellectual property rights 297–9
intensive agriculture see UK, environmental impact assessment application to intensive agriculture
Intergovernmental Panel on Climate Change (IPCC) 176, 180–85
International Covenant on Economic, Social and Cultural Rights (ICESCR) 472–3, 474, 475
intervention prices 9, 86, 87–8, 89, 100–101, 106, 399, 400, 497–8
Ireland 31, 32, 35, 38, 84, 283
Ismail, F. 517
Italy 7, 31, 32, 35, 38, 90, 240
Jack, B. 47, 222–45, 246, 264, 448
Jackson, D. 155
Jambor, A. 25, 29, 37
Jasanoff, S. 370, 374
Jayet, P. 50
Jean, S. 389, 404
Joly, P. 374
Jones, G. 151
Jorgensen, S. 95, 96, 97
Joseph A. McMahon and Michael N. Cardwell - 9781781954614
Downloaded from Elgar Online at 04/28/2018 04:02:26AM
via free access
labelling
food labelling requirements see food labelling requirements and CAP 2020 aims
organic produce 351
technofoods and food safety policy 381, 382
Laborde, D. 131, 527
Lacroix, C. 376
Lamy, P. 483
land conversion protection, biofuels policy 209
land use management, climate change response 175, 176, 177, 178, 180–84, 185–6, 189, 193, 200, 201
Langille, J. 329, 336, 360
language stipulations, food labelling 271
Lanone, S. 377–8
Latvia 31, 32, 35, 38
Lavoie, J. 203
Lee, M. 344, 348, 349, 350, 351, 374
Lee, R. 203
Leghold Trap Regulation 336, 337
Lenaerts, K. 64, 66
Less-favoured Areas Directive 47–8, 116, 188
Levidow, L. 353
Lidskog, R. 347
Lindert, P. 3
Lithuania 31, 32, 35, 38
Little, J. 500
livestock
animal welfare see animal welfare legislation and public morality
diseases 108, 109, 110
exports from horn of Africa, concerns over 518–19
intensive livestock installations 6, 152–3
low stocking rate encouragement 147
management, climate change response 176, 182, 185–6, 188, 200
poultry see poultry
ruminant see poultry
emissions 131–2
see also meat
Lobley, M. 114, 115
Lobstein, T. 276
Lomé Conventions 393, 480, 512, 519
Louwagie, G. 126
Low, P. 526
Loyat, J. 62
Ludwig, R. 335
Luxembourg 7, 31, 32, 35, 38, 223, 480
Lyche-Solheim, A. 224
Lyon Report on Agriculture and Rural Development 416
Maastricht Treaty and Cohesion Fund 18
McArthur, J. 465, 467
McDonnell, A. 65
McMahon, J. 18, 20, 43, 47, 49, 65, 203, 208, 209, 213, 219, 246, 418, 419, 438, 476, 477, 484, 495, 505–28, 531–9
MacMaoláin, C. 269–84, 455
MacSharry Reforms 16–18, 26–7, 28, 34, 53, 310–11, 392, 397–8, 441–2, 487, 532
McVittie, A. 499
Madureira, L. 414, 415
Mahé, L. 214, 215
Mahieu, S. 371
maize authorization, GMO cultivation 342, 362
Makanga, B. 372
Malam, S. 280
Malta 31, 32, 25, 223
Maltby, E. 266
Mansholt Plan 10–11, 33–4, 115
manure management 230, 314, 319
climate change response 176, 182, 185
silage and slurry effluent 227, 231
see also fertilizer use
Marc, R. 372
market access 440–41, 458, 459, 494–7, 512
market building focus, biofuels policy 207, 208, 210, 211
market development
organic food and farming 305–9, 312–15
risk management provisions 97, 98, 99, 101, 106
market distortion, and CAP history 34–5

Joseph A. McMahon and Michael N. Cardwell - 9781781954614
Downloaded from Elgar Online at 04/28/2018 04:02:26AM
via free access
Index 557

market failure correction, WTO Green Box 433–5
market imbalances 70–72, 74, 76–7, 81–2, 84
market intervention, ‘safety net approach’ 68–9
market stabilization measures, direct payments regime 44, 49–51
Marrakesh Decision on Least-Developed and Net Food-Importing Developing Countries (NFIDC) 443–4
Martínez-Zarzosa, I. 516
Maxwell, D. 481
meat
beef see beef
export subsidies 106, 403, 502
intervention prices 399
labelling 281–3
poultry see poultry
private storage aids (PSA) 498
reference thresholds 106
special safeguard (SSG) duties on chicken and turkey products 495
see also livestock
Meijerink, G. 485
Meléndez-Ortiz, R. 418, 419, 442
Melyukhina, O. 103
Member’s Aggregate Measurement of Support (AMS), WTO Green Box 418–19, 458
Merten-Lentz, K. 371
methane (CH₄) emissions 170, 171, 175, 176, 177, 181–2, 185, 186, 187
Meuwissen, M. 90
Meyer, R. 133
Mid-term Review
CAP history 19–20, 21
direct payments regime 42, 43, 44, 45, 46–7, 49–53, 56
and Doha Round 399–400
environmental dimension of agriculture 136, 141–2
and Single Farm Payment 117, 118
milk see under dairy products
Millennium Development Goals see UN
Millennium Development Goal on reduction of hunger
mineral waters 289–90
mitigation strategies, climate change response 179–87, 188, 189–92, 199–201
Mitra, S. 482
modulation measures 20–21, 28, 52–3, 57–8, 198, 199
Mögele, R. 66, 75, 79
Monetary Compensatory Amounts (MCAs) 88
morality, and animal welfare legislation see animal welfare legislation and public morality
Morris, J. 266
Morris, S. 341
Morrow, K. 372
Moschini, G. 95, 352
most-favoured-nation (MFN) provisions 495, 496–7, 513, 516
Multiannual Financial Framework (MFF) 21–3, 28, 41
multifunctionality of agriculture 116–18, 261–4, 399–400, 403, 433–5, 535–6, 538
Muradian, R. 119–20, 122
Musser, W. 95
mutual funds, risk management provisions 97, 107–9
Mutual Recognition Agreement (MRA) and Novel Food Regulation 456
N₂O emissions see under emissions
nanotechnology see under technofoods and food safety policy
Narula, S. 471
national involvement
animal and plant health measures, risk management provisions in CAP 89
effects on developing countries 497–501
food security 441–2, 443, 459
GMO co-existence measures 348–52
GMO cultivation prohibition 342, 356, 357–63
organic food and farming standards 312, 313
water pollution and EU water protection directives 223, 225–6, 230–31, 237, 241
WTO Green Box and post-2013 CAP ‘greening’ direct payments 419–21, 427, 429, 431–5
National Renewable Energy Actions Plans (NEAPS) 208
Natura 2000 network 35–6, 128, 193, 199
naturalization projects, integrated water resources management 264–6
Neslen, A. 217
Netherlands
agricultural employment 7, 38, 480
catastrophic risks, dealing with 103
direct payments 31, 32, 35
insurance programmes 90
intensive livestock production 6, 9
Livestock Veterinary Fund 103
New Public Management 121
Nielsen, C. 404
Niggli, U. 321, 322
Nihoul, P. 370, 371
Nikpay, A. 74
nitrates
concentrations in drinking waters and ‘blue baby syndrome’ 223
Nitrate Vulnerable Zones 228–31, 236, 237, 241–2
see also nutrient management
Nitrates Directive 136, 137, 188, 200, 228–31, 236, 237, 242
nitrogen-fixing crops 429
Noiville, C. 374, 375
Nominal Rate of Assistance (NRA) 25–7, 29
non-commodity agricultural outputs as externalities or public goods, integrated water resources management and CAP 262–4
non-commodity output incentives, WTO
Green Box and post-2013 CAP ‘greening’ direct payments 433–4
non-food outputs 535–6, 537, 538
Non-Trade Barriers (NTB), food security 453
Norway, seal products litigation 325–9
novel food from developing countries, food security 455–6
Novel Food Regulation, technofoods and food safety policy 379, 383
Nowicki, P. 486
Núñez Ferrer, J. 285
nutrient management 128, 174, 175, 178, 180, 181, 182, 184–5, 187, 188, 190, 200, 201 national nutrient surpluses 223
see also fertilizer use; nitrates
Nutrition and Health Claims Regulation 280
nutrition labelling see under food labelling requirements and CAP 2020 aims
obesity rates, concerns over 269–70, 275–6, 277–9, 283–4, 533
O’Connor, B. 286, 387–411, 502
O’Donoghue, E. 99
OECD
Better Policies for Development report 523
Development Assistance Committee review 511
Farm Household Income Issues in OECD Countries 44
multifunctionality and WTO Green Box 433–4, 435
Producer and Consumer Support Estimates 27–8
Producer Subsidy Equivalent (PSE) 447–8
oenology see wine sector
O’Gorman, R. 323–40
olive products 502
collective bargaining 81–2
export subsidies 502
Greek PDO 292
private storage aids (PSA) 498
production and marketing support 72, 79
reference thresholds 106
see also fruit and vegetable sector
Olper, A. 20
Oppermann, R. 127, 138
Oppewal, J. 510
Orden, D. 442
ordinary legislative procedure (OLP) extension 66
organic food and farming 304–22, 533–4
Agreement on Organics with US 318–19
animal welfare standards 319
antibiotics in animal farming, concerns over use of 309, 314, 319
biotech products, concerns over 308–9
certification and conversion costs 307, 310, 311–12, 313, 314–15, 318–19, 320
classification problems and trade rules 316–18
climate change response 184, 190, 200, 320
consumer increase 306–7 and developing countries 486, 490
environmental concerns 138, 143, 310, 311–12, 319
EU organic logo 313, 314
exporters, major 307
factory farming concerns 309
FAO and WHO CODEX standards 318–19
future challenges 319–20
global food production concerns 320, 321
global market growth 304, 305
GM crops, concerns over 309, 313, 314, 315–16, 319, 351
‘greening’ of direct payments 311
health and safety information and consumer choice 317
IFOAM (International Federation of Organic Agriculture Movements) standards 309, 313, 314, 318–19, 321
import levels and regulation 307, 313–14, 316–17
imports and ‘like products’ 317–18
land area devoted to organic farming 305–6
MacSharry reforms 310–11
manure from intensive livestock operations, restricted use 314, 319
market development and growth in EU 305–9
market regulation 312–15

Joseph A. McMahon and Michael N. Cardwell - 9781781954614
Downloaded from Elgar Online at 04/28/2018 04:02:26AM
via free access
national standards 312, 313
origins 307–8
post-2013 CAP 311–12
product standards and process standards, distinguishing between 316
production costs 310
public and private standards, distinction between 317, 318
rural development programmes (RDP) 311–12
Silent Spring (Carson) 308
Single Farm Payment eligibility 311
trade rules and organic foods, links between 316–18
US regulation 315–16
and WTO Green Box 434
overproduction problems see surpluses
Ozden, C. 527

Paarlberg, R. 480
Pacific, ACP (African, Caribbean and Pacific) countries 388, 393, 394–7, 489, 495, 497, 499, 508, 512–16, 519, 526
Padella, M. 213
Page, S. 516
Palmer, J. 203, 204, 219
Paracchini, M. 147
Patrick, G. 95
payment for ecosystem services (PES) 119–23, 532, 533
payment to young farmers 55–6, 191, 197, 417, 421
PDOs (Protected Designations of Origin) see under Quality Schemes for Agricultural Products and Foodstuffs Regulation
Pe'er, G. 56
penalties for breaches in greening requirements 147
Perera, P. 224
permanent grassland maintenance 190, 193, 199, 427–8, 493
Perrot-Maître, D. 244
Persson, M. 527
Pesticides Directive 137, 189, 232–4, 235–6, 238, 252
Petit, Y. 62
PGIs (Protected Geographical Indications) see under Quality Schemes for Agricultural Products and Foodstuffs Regulation
Phelan, D. 322
Phelps, J. 54
phosphorous, diffuse pollution by 230–31
Phytosterols and Phytostanols Regulation 274 plants
  cereals see cereals
fruit and vegetable sector see fruit and vegetable sector
plant health and pest risk measures 89, 108, 109, 110
varieties as PDO 292
Plieninger, T. 115
Pogge, T. 466, 471, 475–6
Pokrivcak, J. 5
Poláková, J. 128, 138
Poland 31, 32, 35, 38, 241
Poli, S. 358, 365
Policy Coherence for Development (PCD) 506, 507–11, 512, 517, 519–20, 521–2, 523, 524
Pollack, M. 346
Pollan, M. 433
pollution
  biofuels policy and groundwater pollution claims 215
  and environmental dimension of agriculture 126, 128–9, 136
  polluter pays principle 179, 201
  water see water pollution
  polytunnels as temporary structures 160–62
  Portugal 31, 32, 35, 38, 90, 292
  Potter, C. 113–24
  poultry
    Battery Hen and Broiler Chicken Directives 336, 338–9
    export subsidies 76, 502
    mobile poultry sheds 163, 165
    see also livestock
poverty
  eradication 505–6, 509, 512–13
  food security 488
  and hunger reduction see UN Millennium Development Goal on reduction of hunger
  precautionary principle 166, 229–30, 372–3
  preferential market access 402–3, 439, 445, 478, 489, 495–7, 527–8
  see also export subsidies; import levels; tariffs
prices
  global food crisis effect 492, 495
  market price support reduction 487
  price hedging contracts 103
  stabilization measures 100–101, 106
Prins, A. 486
private enterprise abuse of WTO mechanisms 394–5
private storage aid (PSA) 78–9, 106, 498
privatization, ecosystem services and water pollution 243–5
producer organizations and associations 71–2, 74, 81–2
Producer Subsidy Equivalent (PSE) 447–8, 453
productivity, climate change effects 178–9
Protected Designations of Origin (PDOs) and Protected Geographical Indications (PGIs) see under Quality Schemes for Agricultural Products and Foodstuffs Regulation
protectionism concerns 348, 359, 435–6
public food stockpiles policies 458
see also food security; surpluses
public goods and CAP history 35, 36, 39
and direct payments regime 54–5
farmers as providers of 414–16
non-commodity agricultural outputs as 262–4
‘public money for public goods’ argument 139
social benefits from 415–16
public intervention mechanisms 78–9
public morality, and animal welfare legislation see animal welfare legislation and public morality
publication of information on beneficiaries of agricultural aid 42
quality production and sustainability transfer to developing countries 480
Quality Schemes for Agricultural Products and Foodstuffs Regulation 285–303
agricultural products intended for human consumption, inclusion of 289
animal breeds as PDO (Protected Designations of Origin) 292
consumer concerns over food provenance and safety 287
EU Commission Green Paper, Agricultural product quality 287
generic names 291–2
industrial goods, lack of inclusion 289
intellectual property rights 297–9
mineral waters, lack of inclusion 289–90
misuse of PGIs 297
Optional Quality Terms 298–9
packaging criteria 294
PDOs (Protected Designations of Origin) 286–7, 288–9, 290–92
PGIs and PDOs, distinction between 290–91
PGIs and PDOs, protection level 296–8
PGIs and PDOs, registration application and product specification 292–6, 300–302
PGIs (Protected Geographical Indications) 286–7, 287, 288–9, 291–2
plant varieties as PDO 292
product scope 289–90
simplification programme 287–8
spirit drinks and PGIs and PDOs 289, 301–2
third-country names and registration 293
trademarks and GIs, similarities between 286, 297
Traditional Specialities Guaranteed (TSGs) 286, 289–9, 298–9
wines and PGIs and PDOs 289, 299–301
WTO obligations 286–7, 293
see also food labelling requirements and CAP 2020 aims
quantitative ingredient declarations (QUID) 272, 273
see also food labelling requirements and CAP 2020 aims
Quaye, W. 452
Quinine and Caffeine Directive 273
Quinn, G. 475
quotes
duty-free quota-free (DFQF) see duty-free quota-free (DFQF)
EU Trade Policy Review on tariff quotas 407
milk quotas 15, 21, 25, 69, 77, 499
Single Common Market Organization (CMO) Regulation 69, 77, 80–81
sugar quotas 15, 69, 77, 80–81, 395–6, 498–9
tariff rate quotas (TRQs) 406–9, 410–11, 441, 445
see also surpluses
Rahaman, M. 249
Ramos, M. 486
Randour, F. 343
rapeseed production for biofuels 209, 214
Rausser, G. 4
redistributive measures 36–7, 56–9
see also direct payments
reference thresholds 106
Regional Trade Agreements (RTAs), and food security 445–6, 453, 455–6, 459
regionalization and payment distribution effects 191, 196–8
renewable energy use 177
Renn, O. 97
restoration of degraded lands 182, 184, 187
retirement grants and retraining 10
rice and Everything But Arms initiative 489, 512, 515–16
export subsidies 502
and foreign aid 501
and GHG emissions 170, 181, 187
intervention prices 400, 497, 498
and Mid-term Review 21
price support 100
reference thresholds 106
see also cereals
Rickard, S. 416
right to food under international law 470–76
risk analysis, technofoods and food safety
policy 370–77
risk management provisions in CAP 86–110
animal and plant health measures and
national government schemes 89
catastrophic risks 98, 99, 102–3, 106, 107, 109, 110
and climate change response 179, 188, 190, 195, 199
counter-cyclical payments (CCP) 89, 101–2
crop insurance and national budgets 89
direct payments and entitlements as risk
management tool 56, 106
export subsidies 106
false perceptions 92–4
farmer strategies and responsibilities 96, 98, 99
futures contracts and price risk 96, 97
government policies and rationale 96–9
‘Health Check’ (2009) legislation and
Community co-financing 89, 90–91
history of 87–91
income stabilization policies 101–2, 107
income support concerns 93
income tax system and information
asymmetries 101
index insurance potential 103
infrastructure investment 97
insurability of risks 95, 96, 97
insurance subsidies 89, 90–91, 97, 99, 102–3, 107
insurance subsidies, effect on specialization 99
intervention prices 86, 87–8, 89, 100–101, 106
investment concerns 92
livestock diseases and plant pest risk
management 108, 109, 110
market effects 97, 98, 99, 101, 106
Monetary Compensatory Amounts (MCAs)
and intra-EU trade 88
mutual funds 97, 107–9
normal risks 98, 99
output price risks 95
policy transfers from risk-related policies 88–9
post-2013 CAP 105–10
price hedging contracts 103
price intervention system 106
price stabilization measures 100–101
price support and price stabilization focus 87–8
price volatility concerns 92–3
reference thresholds (reference prices) 106
risk management skills and awareness
improvement 93–4, 97
risk management toolkit 107–8
risk-layering approach 98–9
rural development funds, use of 107
Single Payment Scheme and producer
support transfers 89
systemic risks 95, 97–8
tax and social security systems and income
stabilization 102
training and information needs 99, 109–10
weather-related risks 95, 97
WTO Agreement on Agriculture 103–5
WTO Green Box 107, 108, 109
river basin approach, water pollution 224–5, 231
River Basin Management Plans 129, 250, 256, 257
Rizzioli, S. 379
Robinson, M. 471
Rodgers, C. 52, 150–69, 252, 479
Romania 23, 31, 32, 35, 38
Rome Declaration on World Food Security 449,
465, 473
Roqueplo, P. 374
Rose, V. 74
Rowcroft, P. 264
rural development
agri-environmental governance models 115–16
biofuels policy and sustainability opportunities 211
climate change response 190–91, 193, 194–5, 199–200
European Agricultural Fund for Rural
Development (EAFRD) 143
funds, use of, and risk management provisions 107
Lyon Report on Agriculture and Rural
Development 416
and organic food and farming 311–12
Rural Development Regulation 238, 255–6, 490, 493–4
Ryan, L. 205
safeguard clauses, GMO cultivation 346, 357, 366
‘safety net approach’ to market intervention
mechanisms 68–9
sanitary and phytosanitary (SPS) standards 354–5, 360, 491–2
SAPARD (Special Accession Programme for Agriculture and Rural Development) 19
Sarmadi, D. 362
Schmid, O. 416
school milk and fruit schemes 69, 76, 78, 79
Schultes, A. 485
Schwartz, G. 118
science-based approach, technofoods 375–7
scientific assessments, scarcity of 119
scientific uncertainty issues, GMO cultivation 345–6
Scott, J. 344, 355
Seal Products Regulation 324–9, 337, 534
seasonal tariffs 494
see also fruit and vegetable sector; tariffs
Sébastien, M. 442
Sen, A. 463, 468, 469–70, 478
‘sensitive products’ and tariff cuts, designation of 405–6, 407
Séralini, G. 372
set-aside measures
biofuels policy 212, 213, 214–15
CAP history 17–18
climate change response 184, 186, 188, 194, 201
and sustainable production 399
Severini, S. 53
Sewage Sludge Directive 234, 235
Shaffer, G. 346
Sharman, A. 203, 207, 213
Sheingate, A. 114
Shine, A. 270
signpost labelling 270, 277, 279–81
see also food labelling requirements and CAP 2020 aims
silage and slurry effluent 227, 231
see also manure management
silkworms 68, 69, 72, 80, 81
Sims, R. 203
Sinabell, F. 431
Sinclair, D. 230
Single Area Payment Scheme 41, 501
Single Common Market Organization (CMO) Regulation 62–85, 535
adoption of delegated acts, empowerment for 76, 85
commercial relations, rebalancing 70–71
competition rules and CAP, relationship between 73–4, 77, 82–4
competition rules, temporary suspensions and severe market imbalances 83–4
demarcation of measures 66–7
and developing countries 498, 502
as EC Regulation 1234/2007 replacement 63, 67, 68, 70, 71–2, 73, 75, 76
EU’s legal and institutional framework governing agricultural markets 64–7
export refunds regime 76, 77, 79, 82
food distribution programme for most deprived persons 69–70
global liberalization of agricultural commodity markets, effects of 71
Lisbon Treaty and distinction between delegated and implementing acts 67–8
market imbalances and exceptional market support measures 70–71, 76–7, 84
market imbalances and strengthening of cooperatives and associations 71–2, 74, 81–2
market intervention 78–80
marketing standards and quality of agricultural products 75, 77
Milk Package and collective bargaining 72–3, 77, 81–2
milk quota regimes 69, 77
ordinary legislative procedure (OLP) extension 66
private storage aid 78–9, 106
producer organizations and associations 71–2, 74, 81–2
public intervention mechanisms 78–9
quota regimes 69, 77, 80–81
reform discussions (2013) 68–85
reform discussions (2013), Commission proposal 68–76
‘safety net approach’ to market intervention mechanisms 68–9
school milk and fruit schemes 69, 76, 78, 79
sugar quota regimes 69, 77, 80–81
trade with third countries 75–6, 82
wine production and transitional planting rights regime 69
wine sector, five-year national support schemes 80
wine sector, maintenance of vineyard register 81
Single European Act (1987) effects 16
Single Payment Scheme 532, 536, 537, 539
CAP history 20, 21, 28, 35
direct payments regime 41–2, 46, 49, 50, 51–2, 55, 56, 57
Doha Round impact 399–400
European Consensus on Development implementation 519, 520
food security 441–2
and Mid-term Review, agri-environmental governance models 117, 118
organic food and farming 311
and producer support transfers 89
size of holding and financial strength 57–8
Skees, J. 96
skimmed milk powder 15, 69, 80, 96, 106, 497, 498
see also dairy products
Skinner, I. 205, 210
Skud, T. 453
Slovakia 31, 32, 35, 38
Slovenia 31, 32, 35, 38
slurry see manure management
Small Farmers’ Scheme 189, 191–2, 199
Smith, F. 51, 55, 389, 412–36, 442, 450
Snell, C. 372
social acceptability, technofoods and food safety policy 374–5
social benefits from public goods 415–16 see also public goods
social objective, fair standard of living as 43–6, 49–50, 51
soil erosion 126, 174, 178, 190
Soil Framework Directive proposal 137, 189
soil management, climate change response 174, 185, 189, 190, 193
soil pollution 126, 128–9, 136 see also pollution
Solomon, S. 170
Sorda, G. 203, 208, 212
Spaak Report 43, 531
Spain
agricultural employment 38
animal welfare and slaughterhouse concerns 333
direct payments 31, 32, 35
insurance system 90, 99, 102–3
special safeguard (SSG) duties on specified agricultural products 494–5
specialization, insurance subsidies, effect on 99
spirit drinks and PGIs and PDOs 289, 301–2
Stevens, C. 516
Stiglitz, J. 517, 518
Stockley, L. 270
Stokes, E. 372, 376, 377, 381
Stopes, C. 314
storage, private storage aid (PSA) 78–9, 106, 498
Stresa Conference 8, 390, 437, 441
subsidies
CAP history 6, 7, 8
cross-subsidization 396–7
export see export subsidies
levels received by large landowners, concerns over 41–2
Producer Subsidy Equivalent (PSE) 447–8, 453
see also direct payments regime
sugar sector
biofuels policy 212–13
Cotonou Agreement 489, 495, 497
and Everything But Arms initiative 489, 515–16
export subsidies 502
intervention prices 498
price support 100
private storage aids (PSA) 498
quotas 15, 69, 77, 80–81, 395–6, 498–9
reference thresholds 106
restructuring 519
special safeguard (SSG) duties 495
surpluses
CAP history 10–11, 13, 15, 26
and ‘most deprived scheme’ 69–70
private storage aid (PSA) 78–9, 106, 498
public food stockpiles policies 458 see also quotas
sustainability
and biofuels policy 206–7, 208–9
and climate change response 186–7
food imports and sustainability concerns 491
integrated water resources management 249, 250, 251, 253
rural development, opportunities 211
and set-aside measures 399
Sutherland, W. 119
Sweden 31, 32, 35, 38, 90
Swinbank, A. 48, 49, 52, 209, 210, 418, 421, 426, 500
Swinnen, J. 3, 4–5, 19, 492
Switzer, S. 203–21, 491, 522
Switzerland 451–2, 454–5
Synder, F. 8
Tallacchini, M. 370
Tangermann, S. 17, 18, 50–51, 57, 105, 397, 413, 421, 441
Tantari, A. 53
tariffs
CAP history 6, 7, 8–9
Doha Round impact 390–91
EU Trade Policy Review on tariff quotas 407
preferential market access 402–3, 439, 445, 478, 489, 495–7, 527–8
seasonal tariffs on fruit and vegetables 494
‘sensitive products’ and tariff cuts, designation of 405–6, 407
tariff rate quotas (TRQs) 406–9, 410–11, 441, 445
Research handbook on EU agriculture law

WTO Agreement on Agriculture (AoA) rules and CAP, tariffication process 440–41, 444–7, 458, 459

see also export subsidies; import levels

Taube, F. 128
tax and social security systems and income stabilization 102

Teasdale, A. 8, 437

Technical Barriers to Trade (TBT) Agreement 325, 327, 328, 355, 360, 440, 516, 517
technofoods and food safety policy 368–83, 533–4
civil disobedience movements and mass rejection of GM foods 375

Deliberate Release Directive and consultation rights 375
doubt factors and precautionary principle 372–3

European Food Safety Authority (EFSA) and GM research 376

European Food Safety Authority (EFSA) report on nanotechnologies 381–2

expert assistance and science-based approach 375–7

Food Information Regulation 380–81

Food Law Regulation 373, 374–5
labelling 381, 382
legal basis of food safety policy 368–9

nanofoods, and food information to consumers 380–83

nanofoods regulation 379

nanopovety warnings 378

nanotechnology, definition problems 381–2

nanotechnology, and food additives 379–80

nanotechnology, legal issues 377–83

Novel Food Regulation 379, 383

organic farming concerns 308–9

risk analysis 370–77

social acceptability and risk governance 374–5

see also GMO cultivation

TFEU

‘agricultural community’ identification 45
animal welfare 326, 329–30, 331, 332–6
essential nature of agriculture 534, 535, 536, 538–9

GMO cultivation 345

Single Common Market Organization (CMO) Regulation 64–6

third countries

animal welfare, legislating for 336–9

Quality Schemes for Agricultural Products and Foodstuffs Regulation 293

trade with 75–6, 82

Thomas, E. 339

Thurow, R. 483

Tilzey, M. 117

Tinbergen, J. 31
tobacco products 44, 81, 478, 501, 502

Tracy, M. 5, 8, 9, 437

trade rules and organic foods, links between 316–18

trademarks and geographical indications, similarities between 286, 297

Traditional Specialities Guaranteed (TSGs) 286, 288–9, 298–9

training

advisory services and public information programmes 179, 186, 187, 190–91

needs, risk management provisions 99, 109–10

see also information provision

Transatlantic Trade and Investment Agreement (TTIP) 319, 408–9, 447

Transpacific Partnership Agreement (TPP) 446–7

Tranter, R. 48, 52, 421, 500
tree planting 185

Tucker, G. 134, 138

UK

agricultural employment (1955–60) 7

agricultural rationalization into fewer and larger farms, early 6

average profits for income tax purposes 60

Catchment Sensitive Farming Initiative 238

Customs Consolidation Act and animal welfare 329–30

Dartmoor Farming Futures project 122
deficiency payment scheme 8

DEFRA Ecosystem Approach Action Plan 120, 121, 122
diffuse pollution from agriculture 231
direct payments 31, 32, 35

Drinking Water Directive implementation 244

EEC membership and price increases 12–13

EU net budgetary balance controversy (1984) 15–16, 19

export of live cattle, concerns over 332–4

food signpost labelling problems 280–81

Glastir Scheme, Wales 122

insurance programmes 90

Melton Mowbray Pork Pie and Protected Geographical Indications (PGIs) 303

net budgetary balance controversy (1984) 15–16, 19

Nitrates Directive compliance failures 236

nutrient surpluses 223
‘payments for ecosystem services’ (PES) 120–23
Rural Payments Agency and Basic Payment Scheme 422
Soil Association and organic certification 313
South West Water water quality and quantity protection 244–5
subsidies and marketing support, early 6, 7
Sustainable Catchment Management Programme (SCaMP) 122
voluntary modulation system 20
water pollution preventative measures 227
Water Resources Act and water pollution incidents 226–7
Water Resources (Control of Pollution) (Silage, Slurry and Agricultural Fuel Oil) (England) Regulations 227
White Paper on Public Health 279
Working Wetlands project 122
WWF River Nar project, Norfolk 265
WWF Slowing the Flow project, Scotland 265
UK, environmental impact assessment application to intensive agriculture 150–69
ancillary activities and planning exemption 159–60
Area of Outstanding Natural Beauty 162, 163
Biodiversity Broad Habitat Classification for semi-natural areas 155–6, 162, 166, 167
‘building operations’ definition 159
Conservation of Habitats and Species Regulations 167
determination test for projects 155–6
‘development’ concept 158–9, 166
English Nature research 158, 166, 169
environmental governance of agricultural projects 151–4
Environmental Impact Assessment Directive (EIA Directive) 151–2, 154, 155, 157, 158, 163, 164, 165, 166
environmental statement requirement 152
Environmental Stewardship scheme 167
General Development Order 156, 159, 161
Habitats Directive and assessment of projects affecting European wildlife sites 167
intensive farming and natural environment 163–5
intensive livestock installations 152–3
mobile poultry sheds 163, 165
Natural England involvement 153, 154–6, 157, 158, 167, 168–9
operational test for projects 155, 156, 160–62
Planning and Compensation Act 158
planning and ‘development’ considerations 152–4, 156
planning system, expanding scope of 158–65
precautionary principle application 166
R (on the Application of Hall Hunter Partnership) v First Secretary of State 160–62
R (on the application of Save Woolley Valley Action Group Ltd) v Bath and North East Somerset Council 159, 163, 165, 166
R (on the application of Wye Valley Action Association Ltd) v Herefordshire District Council 158, 162, 164, 165, 166
regulatory orders 165–7
restructuring and intensification projects 154–8
Scottish Government Rural Payments and Inspections Directorate (SGRPID) 154–5
screening applications that exceed the thresholds 156–8
Special Area of Conservation 167
Specially Protected Area 167
temporary structures, polytunnels as 160–62
thresholds for assessment set by reference to area of land 153, 156–7
Town and Country Planning legislation 151, 153, 158–9, 163, 165
UN, Millennium Ecosystem Assessment 243, 248, 262–3
UN Declaration on the Rights of Indigenous Peoples 324, 327
UN Millennium Development Goal on reduction of hunger 463–84
CAP food security, linkages with, food aid and imports 477–83
CAP food security, linkages with, hunger reduction target 478–80
CAP food security, linkages with, preferential trade schemes with developing countries 478
CAP food security, linkages with, quality production and sustainability transfer to developing countries 480
CAP food security, linkages with, regulatory standards, developing countries’ problems in meeting 479
criticisms of 465–6
crop failures 469
FAO report on food security 467
FAO Voluntary Guidelines 473, 475
food security as national responsibility 473–4
international community involvement 474–6
and International Covenant on Economic, Social and Cultural Rights (ICESCR) 472–3, 474, 475
literature overview on causes and suggested remedies of hunger 468–76
market forces and legal relations, effects of 469–70
population growth effects 467
poverty eradication 505–6, 509, 525
right to food under international law 470–76
Rio+20 summit and The Future We Want 473
Rome Declaration on World Food Security 465, 473
targets, concerns about meeting 467–8
targets and indicators 464, 466–8, 478–80
UN Committee on Economic, Social and Cultural Rights 474
WTO system bias against developing countries claim 483
UN Rio Conferences 249, 473
Universal Declaration of Human Rights 472
US
Agreement on Organics with EU 318–19
Average Crop Revenue Election (ACRE) programme 101
Blair House Agreement and export subsidies 442–3
domestic price protection concerns 16
EU–US FTA 408–9
Export Enhancement Programme 388
GM food labelling 315–16, 319
Marketing Loan Assistance (MLA) programme 101
National Organic Program (NOP) 315
organic agriculture 312
organic food and farming regulation 315–16
Organic Foods Production Act 315
Production Flexibility Contracts 424, 426, 428, 429, 430, 432
retail sales of organic foods 305
Rural Business-Cooperative Service 462
subsidized grain exports (1972) 12
‘use by’, use of term 272
see also food labelling requirements and CAP 2020 aims
Valbo, M. 121
Van Berkum, S. 488
Van Hecken, G. 120
Van Kempen, J. 225
Van Nunef, P. 64, 66
Van Swaan, C. 128
Vandenberghe, J. 62–85
Varis, O. 249
vegetables see fruit and vegetable sector
Vernon, J. 468, 470
Vogelpohl, T. 204, 205, 219, 220
Von Witzke, H. 490
Vos, E. 344
Wainio, J. 478
water management
climate change response 173–4, 178, 181, 186, 187, 188–9, 201
integrated see integrated water resources management and CAP
water pollution 222–45, 533
buffer strips near watercourses 237, 241
CAP and agri-environment-climate scheme 239–42, 244
CAP and agri-environment-climate scheme, weaknesses 240–41
cross-compliance 235–7, 241
diffuse pollution effects 222–3, 230–31
Drinking Water Directive 244
ecosystem services and regulation privatization 243–5
ecosystem services and regulation privatization, water quality and quantity protection 244–5
environmental dimension of agriculture and CAP 126, 128–9, 136
eutrophication (algal blooms on surface waters) 223–4, 228, 229–30
farm advisory services 238–9
fuel oil storage 227
‘good chemical status’ and ‘good ecological status’ 225
‘greening component’ effects 237–8, 242
Groundwater Directive 231–2, 236–7
national laws implementing EU water protection directives, inclusion of 225–6, 230–31, 237, 241
national nutrient surpluses 223
nitrate concentrations in drinking waters and ‘blue baby syndrome’ 223
Nitrate Vulnerable Zones and mandatory action programmes 228–9, 231, 236, 237, 241–2
Nitrate Vulnerable Zones, precautionary approach 229–30
Nitrate Directive 228–31, 236, 237, 242
Nitrate Directive, effectiveness concerns 230
Nitrate Directive, voluntary code of agricultural good practice 229, 238–9
‘noxious’ and ‘polluting’ matter, distinguishing between (UK) 226
Pesticides Directive 232–4, 235–6, 238
Pesticides Directive, aerial spraying 234
Pesticides Directive, inspection of application equipment 232–3
Pesticides Directive, ‘protected areas’ definition 233–4
Pesticides Directive, storage and handling care 233
phosphorous, diffuse pollution by 230–31
point pollution controls 225
preventative measures (UK) 227
river basin approach 224–5, 231
Rural Development Regulation 238
Sewage Sludge Directive and heavy metals 234, 235
silage and slurry effluent 227, 231
statutory management requirements for cross-compliance 236–7
surface or groundwater quality status in river basins, delay conditions 225
timing of fertilizer and manure applications, enforcement problems 230
Water Framework Directive, compensation payments under 242–3
weather-related risks 95, 97
see also catastrophic risks
Weimer, M. 344, 358
Weinhold, D. 491
Westenhoefer, J. 270
Wiens, J. 204
Wild Birds Directive 136, 242
wildlife decline 128
Wilson, G. 117
Winders, B. 114
wine sector
export refunds 403, 502
PGIs and PDOs 289, 299–301
production restrictions 401
Single Common Market Organization (CMO) Regulation 80, 81
support schemes 79
surpluses 10
transitional planting rights regime 69, 77
Winickoff, D. 315
Wolf, S. 115, 120, 122
Woods, A. 120–21
working lands, sustaining commitment to 114–16, 118–19, 121, 123
World Bank, on food poverty 461–2
World Food Programme (WFP) 460
World Food Summit 465–6, 469–70, 473–4, 483
Wreford, A. 170
WTO Agreement on Agriculture (AoA) and agricultural tariffs 494–5, 502
animal welfare legislation 323, 325–9
community preference, impact of WTO rules, food security 444–9, 459
and cotton production, European Consensus on Development implementation 520–22
cross-subsidization 396
food security 404, 407–8, 440–47, 457–9
GMO cultivation 355, 360
organic food and farming 311–12
private enterprise abuse of WTO mechanisms 394–5
Quality Schemes for Agricultural Products and Foodstuffs Regulation 286–7, 293
risk management provisions in CAP 103–5, 105–10
tariffication process, food security 440–41, 444–7, 458, 459
and UN Millennium Development Goal on reduction of hunger 483
Uruguay Round 16, 18, 388–92, 395–6, 404–7, 443, 444–5, 448–9, 531
WTO Aid for Trade (AfT) 517–18, 519, 525
WTO Bali Ministerial Conference, food security 404, 407–8, 457–9
WTO Doha Round 52, 116–17, 443–4, 489, 511–12, 520
failure to conclude 439, 452, 457, 460, 483
impact see CAP, Doha Round impact
WTO Enhanced Integrated Framework (EIF) 517
WTO Green Box compatibility agri-environmental governance models 117
direct payments regime 51–2, 55, 56, 420–21, 422, 423, 424, 425–6, 427, 428–9, 430–31, 432
food security 441, 442, 454, 458
risk management provisions 107, 108, 109
WTO Green Box and post-2013 CAP ‘greening’ direct payments 412–36, 532, 536–7, 539
Agreement on Agriculture (AoA) rules 418–20
‘agricultural activity’ requirement and Direct Payments Regulation 422–4, 429–31
arable land as ecological focus area (EFA) 428–9
areas with nitrogen-fixing crops as ecological focus area (EFA) 429
Basic Payment entitlement 417, 421–4

Index 567
compulsory payment for eligible ‘young farmers’ 417, 421
crop diversification requirements 426–7, 434
crop diversification requirements, exceptions 427
decoupled direct payment 414, 420–24
Direct Payments Regulation 421–4, 427–8, 434, 532
domestic support reduction commitments
exemptions 419–21, 490
‘equivalent’ practices, understanding of 424, 426
EU Lyon Report on Agriculture and Rural Development 416
farmers as providers of ‘public goods’ 414–16
food security 415–16
fundamental requirement and domestic support measures 420, 427, 429, 431–5
‘greening component’ 418–35, 536–7
‘greening’ history 413–17
Impact Assessment 418, 420
mandatory ‘greening component’ 417
market failure correction and fundamental requirement 433–5
Member’s Aggregate Measurement of Support (AMS) 418–19, 458
multifunctionality and OECD 433–4, 435
non-commodity output incentives 433–4
organic production 434
payment and production linkage requirements after base year 425–31
permanent grassland, maintenance of, and Habitats and Wild Birds Directives 427–8
preferred climate and environmentally friendly practices 426
protectionist allegations 435–6
short rotation coppice areas as ecological focus area (EFA) 429
social benefits from ‘public goods’ 415–16
WTO Sanitary and Phytosanitary Measures (SPS Agreement) 354–5, 360, 491–2
Wu, M. 329
Wunder, S. 119
WWF
River Nar project, Norfolk 265
Slowing the Flow project, Scotland 265
Wynne-Jones, S. 122
young farmers
compulsory payment, and WTO Green Box 417, 421
direct payments regime 55–6, 191, 197, 417, 421