

Potential EU-Mercosur Free Trade Agreement: Impact Assessment

Volume 2: Annexes

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Annex 1: Model specification and details of scenarios

Table A1.1: Sector aggregation in GLOBE

No	Code	Description of product category	HS code
1	rice	Rice	1006 rice Processed rice
2	wht	Wheat	1001 Wheat and meslin
3	ocer	Other cereals	1002 rye in the grain 1003 barley 1004 oats 1005 corn (maize) 1007 grain sorghum 1008 buckwheat, millet & canary seed, cereals nesoi
4	v_f	Vegetables, fruit & nuts	07 edible vegetables 08 ed, fruits & nuts, peel of citrus/melons
5	osd	Oilseeds	1201 Soybeans, whether or not broken 1202 peanuts (ground-nuts), raw 1203 copra 1204 flaxseed (linseed), whether or not broken 1205 rape or colza seeds, whether or not broken 1206 sunflower seeds, whether or not broken 1207 oil seeds & oleaginous fruits nesoi, broken or not 1208 flour & meal of oil seed & olea fruit (no mustard)
6	c_b	Sugar cane & sugar beet	121291 Sugar Beet 121292 Sugar Cane
7	pfb	Plant-based fibres	13 lac, natural gums, resins, etc. 14 vegetable plaiting materials
8	ocr	Other crops	0199 other raw vegetable materials 06 live trees, other plants, cut flowers 1209 seeds, fruit and spores, for sowing 1210 hop cones, fresh or dried, lupulin 1211 plants etc for pharmacy, perfume, insecticides etc 121210 locust beans (including locust bean seeds) 121220 seaweeds and other algae 121230 apricot, peach or plum stones and kernels 121299 other vegetable prods (chicory roots etc) 1213 cereal straw & husks unprep w/n chop etc or pellet 1214 rutabagas, hay, clover & other forage products
9	Ctl	Live cattle, sheep, goats, horses	0101 horses, asses, mules and hinnies, live 0102 bovine animals, live 0104 sheep and goats, live
10	oap	Live pigs, poultry, other unprocessed or preserved animal products	0103 swine, live 0105 chickens, ducks, geese, turkeys, and guineas, live 0106 animals, live, nesoi - not elsewhere specified of indicated, 0407 birds' eggs, in the shell, fresh, preserved or cooked 0408 birds' eggs, not in shell & yolks, fresh, dry, etc 0409 honey, natural 0410 edible products of animal origin, nesoi 05 products of animal origin
11	rmlk	Raw milk	0401 milk and cream, not concentrated or sweetened
12	wol	Wool, silk cocoons	0296 raw animal materials used in textiles 50 silk, inc, yarns & woven fabrics thereof 51 wool & fine or coarse animal hair, inc, yarns & woven fabrics thereof

No	Code	Description of product category	HS code
13	prim	Primary sectors	03 fish & crustaceans 25 salt, sulphur, earth & stone, lime & cement 26 ores slag & ash 2702 lignite, agglomerated or not, excluding jet 2703 peat (including peat litter), incl agglomrtd 2706 mineral tars, including reconstituted tars 2707 oils etc from high temp coal tar, sim aromatic etc 44 wood & articles of wood, wood charcoal 45 cork & articles of cork 46 manu, Of straw, esparto, or other plaiting materials, basketware and wickerwork 47 pulp of wood, waste & scrap of paper
14	cmt	Meat cattle, sheep, goat, horse	0201 meat of bovine animals, fresh or chilled 0202 meat of bovine animals, frozen 0204 meat of sheep or goats, fresh, chilled or frozen 0205 meat of horses, asses, mules, hinnies fr, chld, fz 0206 edible offal, bovine, swine, sheep, goat, horse, etc,
15	omt	Meat pork, poultry, other	0203 meat of swine (pork), fresh, chilled or frozen 0207 meat & ed offal of poultry, fresh, chill or frozen 0208 meat & edible offal nesoi, fresh, chilled or frozen 0209 pig & poultry fat fresh chld frzn salted dried smkd 0210 meat & ed offal salted, dried etc, & flour & meal
16	vol	Vegetable oils and fats	15 animal or vegetable fats, oils & waxes
17	dair	Dairy products	0402 milk and cream, concentrated or sweetened 0403 buttermilk, yogurt, kephir etc, flavored etc or not 0404 whey & milk products nesoi, flavored etc, or not 0405 butter and other fats and oils derived from milk 0406 cheese and curd
18	sgf	Sugar	17 sugar (raw, refined, confectionery)
19	f_b_t	Food, Beverages and tobacco	09 coffee, tea, mate & spices 11 milling industry products 16 ed, prep, of meat, fish, crustaceans, etc 18 cocoa & cocoa preparations 19 preps, of cereals, flour, starch or milk 20 preps of vegs, fruits, nuts, etc, 21 misc, edible preparations 22 beverages, spirits & vinegar 23 residues from food industries, animal feed 24 tobacco & manuf, Tobacco substitutes
20	fuel	Fuel	2701 coal, briquettes, ovoids etc, mfr from coal 2704 coke etc of coal, lignite or peat, retort carbon 2705 coal gas, water gas, prdcr gas etc, ex pet gs & othgs 2708 pitch & pitch coke from coal tar or other min tars 2709 crude oil from petroleum and bituminous minerals 2710 oil (not crude) from petrol & bitum mineral etc, 2711 petroleum gases & other gaseous hydrocarbons 2712 petroleum jelly, mineral waxes & similar products 2713 petroleum coke, petroleum bitumen & other residues 9856 electric services 9857 natural gas transmission 9858 natural gas distribution 9859 gas production and/or distribution

No	Code	Description of product category	HS code
21	manufs	Manufactures and machinery	28 inorganic chem, org/inorg compounds of precious metals, isotopes 29 organic chemicals 30 pharmaceutical products 31 fertilizers 32 tanning or dyeing extracts, dyes, pigments, paints & varnishes, putty, & inks 33 oils & resinoids, perfumery, cosmetic or toilet preparations 34 soaps, waxes, scouring products, candles, modeling pastes, dental waxes 35 albuminoidal sub, starches, glues, enzymes 36 explosives, matches, pyrotechnic products 37 photographic or cinematographic goods 38 miscellaneous chemical products 39 plastics & articles thereof 40 rubbers & articles thereof 41 raw hides & skins & leather 42 articles of leather, saddlery & harness, travel goods, handbags, articles of gut 43 furskins & artificial fur, manufactures 48 paper & paperboard, articles of paper pulp 49 printed books, newspapers, pictures, manuscripts, typescripts & plans 52 cotton, inc, yarns & woven fabrics thereof 53 veg, textile fibers nesoi, yarns & woven etc, 54 man-made filaments, inc, yrns & woven etc, 55 man-made staple fibers, inc, Yarns etc, 56 wadding, felt & nonwovens, special yarns, twine, cordage, ropes & cables & articles 57 carpets & other textile floor coverings 58 special woven fabrics, tufted textiles, lace 59 impregnated, coated, covered, or laminated textile prod, textile prod for industrial use 60 knitted or crocheted fabrics 61 articles of apparel & clothing accessories-knitted or crocheted 62 articles of apparel & clothing accessories-not knitted or crocheted 63 made-up textile articles nesoi, needlecraft sets, worn 64 footwear, gaiters, & the likeclothing, rags 65 headgear & other parts 66 umbrellas, sun umbrellas, walking-sticks, whips, riding-crops & parts 67 prepared feathers, human hair & articles thereof, artificial flowers 68 articles of stone, plaster, cement, asbestos, mica or similar materials 69 ceramic products 70 glass & glassware 71 pearls, stones, prec, Metals, imitation jewellery, coins 72 iron & steel 73 articles of iron or steel 74 copper & articles thereof 75 nickel & articles thereof 76 aluminium & articles thereof 78 lead & articles thereof 79 zinc & articles thereof 80 tin & articles thereof 81 base metals nesoi, cermets, articles etc, 82 tools, spoons & forks of base metal 83 miscellaneous articles of base metal 84 nuclear reactors, boilers, machinery & mechanical appliances, computers 85 electrical machinery & equip, & parts, telecommunications equip,, sound recorders, television recorders 86 railway or tramway locomotives, rolling stock, track fixtures & fittings, signals 87 vehicles other than railway or tramway rolling stock

No	Code	Description of product category	HS code
21	manufs	Manufactures and machinery	88 aircraft, spacecraft, & parts thereof 89 ships, boats, & floating structures 90 optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments & accessories 91 clocks & watches & parts thereof 92 musical instruments, parts & accessories 93 arms & ammunition, parts & accessories 94 furniture, bedding, cushions, lamps & lighting fittings nesoi, illuminated signs, nameplates & the like, prefabricated buildings 95 toys, games & sports equip, parts & acces, 96 miscellaneous manufactured articles 97 works of art, collectors' pieces, antiques
22	trade	Trade and transportation	9832 local trucking, without storage 9833 trucking, except local 9834 local trucking with storage 9835 courier services, except by air 9841 deep sea foreign freight transportation of freight 9842 deep sea domestic freight transportation of freight 9843 deep sea passenger transportation ; 9844 ferries 9845 marine cargo handling 9846 towing and tugboat service 9847 air transportation, scheduled 9848 air courier services 9849 air transportation, nonscheduled 9847 air transportation, scheduled 9848 air courier services 9849 air transportation, nonscheduled 9852 freight transportation arrangement, nvocc, customs brokerage 9853 rental of railroad cars/rail transport
23	serv	Services	9801 soil preparation services 9802 crop planting, cultivating and protecting 9803 crop harvesting, primarily by machine 9804 crop preparation serv for market except cotton ginning 9805 cotton ginning 9806 veterinary services for livestock 9807 veterinary services for animal specialties 9808 livestock services, except veterinary 9809 animal services, except veterinary 9810 farm labour contractors and crew leaders 9811 farm management services 9812 landscape counselling and planning 9813 general contractor 9814 industrial buildings and warehouse 9815 highway and street construction 9816 bridge, tunnel, and elevated highway 9817 water, sewer, pipeline, and communications construction 9818 heavy construction 9819 plumbing, heating and air conditioning 9820 electrical work 9821 masonry, stone setting, tile setting & plastering 9822 plastering, drywall, and insulation work 9823 tile, marble, and mosaic work 9824 carpentry 9825 roof, siding, and sheet metal work 9826 concrete work 9827 water well drilling 9828 glass and glazing work 9829 excavation work 9830 wrecking and demolition work 9831 special trade contractors 9854 packing & crating

No	Code	Description of product category	HS code
23	serv	Services	9855 inspecting and fixed facilities 9860 water supply 9861 sewerage systems 9862 refuse systems 9863 sanitary services 9864 steam and air-conditioning supply 9865 irrigation systems 9866 engineering services 9867 architectural services 9868 surveying services 9869 accounting, auditing, and bookkeeping 9870 commercial physical research 9871 commercial nonphysical research 9872 noncommercial research organizations 9873 testing laboratories 9874 management services 9875 management consulting services 9876 public relations services 9877 facilities support services 9878 business development/ consulting, nesoi 9879 air, water & solid waste management services 9880 land & wildlife conservation 9881 recycling 9882 energy saving equipment 9883 environmental cleanup 9884 environmental testing services 99 Business services Public services

Table A1.2: Regional aggregation in GLOBE

No.	Code	Country	Economic Agreement
Main trading partners			
1.	EU15	Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, United Kingdom	EU27 (customs union, trading as a single bloc) is composed of EU15 and EU12
2.	EU12	Bulgaria, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Romania, Slovak Republic, Slovenia	
3.	MERC	Argentina, Brazil, Uruguay, Paraguay	Ongoing negotiation
4.	USA	USA	No FTA. Main trading partner
5.	JPN	Japan	No FTA. Main trading partner
6.	CHI	China. Hong Kong	No FTA. Main trading partner
7.	RUS	Russian Federation	GSP. Main trading partner
8.	CAN	Canada	
9.	IND	India	
10.	OCE	Oceania	Australia, New Zealand
Preferential Arrangements			
11.	Other ACP countries	Nigeria, Senegal, Rest of West Africa, rest of Central Africa, rest of South Central Africa, Ethiopia, Madagascar, Malawi, Mauritius, Mozambique, Tanzania, Uganda, Zambia, Zimbabwe, Rest of Eastern Africa, Botswana, Rest of South African Customs, Caribbean Countries, Rest of Oceania	
12.	FTAs and Customs Unions in force	Chile, South Africa, Mexico, Switzerland, Norway, Rest of Europe, Rest of EFTA, South Korea, Peru, Ecuador, Panama, Colombia, Costa Rica, Guatemala, Nicaragua, Rest of Central America	
Other trading partners			
13.	Other WTO developing country status	Taiwan, Indonesia, Malaysia, Philippines, Singapore, Thailand, Pakistan, Sri Lanka, Bolivia, Venezuela, Turkey, Egypt, Morocco, Tunisia	
14.	Rest of the World	Rest of East Asia, Cambodia, Laos, Myanmar, Vietnam, Bangladesh, Rest of South America Albania, Belarus, Ukraine, Rest of Eastern Europe, Kazakhstan, Kyrgyzstan, Rest of Former Soviet Union, Armenia, Azerbaijan, Georgia, Islamic Republic of Iran Rest of Western Asia, Croatia, Rest of North Africa.	

Table A1.3: Summary of the behavioural relationships in each segment of GLOBE, broken down by 'account'

	Commodities	Activities	Factors	Households	Government	Capital	Margins	Rest of World	Prices
Commodities	0	Leontief input-output coefficients	0	Stone-Geary utility functions	Varies with region (see closure rules)	Fixed shares of savings	3-stage CET functions	3-stage CET functions	Consumer commodity price
Activities	Total supply from domestic production	0	0	0	0	0	0	0	Activity prices
Factors	0	2-stage CES production functions	0	0	0	0	0	0	Factor prices
Households	0	0	Fixed shares of factor income	0	0	0	0	0	
Government	Ad valorem tax rates	Ad valorem tax rates on output and factor use	Average tax rates	Average tax rates	0	0	0	0	
Capital	0	0	Shares of factor income	0	Varies with region (see closure rules)	0	Current account 'deficit' on margins trade	Current account 'deficit'	
Margins	Fixed technical coefficients	0	0	0	0	0	0	0	
Rest of World	3-stage CES functions	0	0	0	0	0	0	0	
Prices	Producer prices Domestic & world prices for imports	Value-added Prices							

Source: McDonald et al. (undated, Table 3).

Table A1.4: Assumptions about exogenous trends in GLOBE, 2004-2020

	GDP	Population	Capital	Land	Exchange rate	GDP	Population	Capital	Land
	Total change, 2004-2020, %								
EU15	27.03	6.96	28.26	-4,41	-15.66	1.51	0.42	1.57	-0,28
EU12	34.03	-1.5	28.26	-4,41	-15.66	1.85	-0.09	1.57	-0,28
Mercosur	116.45	14.58	207.77	14,99	-21.83	4.94	0.85	7.28	0,88
USA	42.17	16.39	43.1	1,23	20.50	2.22	0.95	2.27	0,08
Canada	39.61	18.45	46.01	12,58	-14.11	2.11	1.06	2.39	0,74
Japan	16.01	-2.71	3.59	-13,62	-28.89	0.93	-0.17	0.22	-0,91
China	312.37	9.2	350.19	2,80	-38.39	9.26	0.55	9.86	0,17
India	264.32	22.81	411.89	9,97	-5.80	8.42	1.29	10.74	0,60
Russia	75.18	-5.64	152.97	10,54	21.14	3.57	-0.36	5.97	0,63
Oceania	35.06	8.95	32.21	1,60	-11.72	1.9	0.54	1.76	0,10
ACP countries	105.17	35.23	88.49	9,76	*	4.59	1.9	4.04	0,58
Other (WTO developing)	105.17	35.23	88.49	9,76	*	4.59	1.9	4.04	0,58
Rest of the World	105.17	35.23	88.49	9,76	*	4.59	1.9	4.04	0,58
Countries having FTAs with EU	35.06	8.95	32.21	9,76	-11.72	1.9	0.54	1.76	0,58

Note to Table A1.4

The GDP, population and exchange rate assumptions come from Global Insight, and/or the OECD AGLINK/COSIMO database. They underlie the 2010 Outlook baseline endorsed by DG AGRI. Cumulative inflation of 35% is assumed for the EU; this projection also comes from Global Insight. For regions with * in the exchange rate column, the closure rules specified balanced trade and endogenous exchange rates. The endogenous exchange rate depreciation for these three regions was: -12.51, -23.59 and -14.57, respectively.

There are five factors in GLOBE, unskilled and skilled labour, capital, land and natural resources. In the model simulations, it is assumed that the availability of unskilled and skilled labour grow at the same rate as population (see table) and that natural resources are constant. The trends in capital and land availability are shown in the table.

Table A1.5: Commodity sector aggregation in CAPRI

Aggregates	Commodities
'Cereals'	'Wheat'
	'Rye and muslin '
	'Barley '
	'Oats '
	'Grain maize '
	'Other cereals '
'Oilseeds '	'Rape seed '
	'Sunflower seed '
	'Soybeans '
'Other arable crops '	'Pulses '
	'Potatoes '
'Vegetables and Permanent crops '	'Tomatoes '
	'Other vegetables '
	'Apples pears and peaches '
	'Table grapes '
	'Citrus fruits '
	'Other fruits '
	'Table olives '
	'Wine '
	'Flax and hemp '
'Meat '	'Beef '
	'Pork meat '
	'Sheep and goat meat '
	'Poultry meat '
'Other Animal products '	'Eggs '
'Dairy products '	'Butter'
	'Skimmed milk powder'
	'Cheese'
	'Fresh milk products'
	'Cream '
	'Concentrated milk'
	'Whole milk powder '
	'Casein'
'Whey powder'	
'Oils'	'Rape seed oil '
	'Sunflower seed oil '
	'Soya oil '
	'Olive oil '
	'Palm oil'
'Oil cakes '	'Rape seed cake '
	'Sunflower seed cake'
	'Soya cake'
'Secondary products'	'Rice milled'
	'Sugar '
	'Bio diesel'
	'Bio ethanol'
	'Dried Distillers Grains'
	'Diesel'
	'Gasoline'

■ Table A1.6: Regional breakdown in the CAPRI market module (trade blocks)

1 European Union 15, broken down into MS	15 Argentina
2 European Union 10, broken down into MS	16 Brazil
3 Bulgaria & Romania (2)	17 Chile
4 Norway	18 Uruguay
5 Turkey	19 Paraguay
6 Morocco	20 Bolivia
7 Other mediterranean countries	1 Rest of South America
8 Western Balkan countries	22 Australia & New Zealand
9 Rest of Europe	23 China
10 Russia, Belarus & Ukraine	24 India
11 United States of America	25 Japan
12 Canada	26 Least developed countries
13 Mexico	27 ACP countries which are not least developed
14 Venezuela	28 Rest of the world

Table A1.7: Current bilateral TRQs maintained in the reference scenario and TRQs created, or increased, in the policy scenarios

Product	Current and reference scenario					Scenario 1	Scenario DM1	Scenario 2 and Scenario DM2
	Number of TRQs 2009	Mercosur countries	Total TRQ ceiling 2009 tons	In-quota tariff 2009	Fill rate 2009 %	TRQ increase	TRQ increase	TRQ increase
Poultry	3	Brazil	183,289	0-15.4	100.00	75,000	45,000	250,000
Processed poultry	2	Brazil	171,777	8-8.5	86.89			
Beef	5	All	46,000	20.0	58.53	100,000	60,000	300,000
Garlic	2	Argentina	19,147	9.6	100.00	10,000	6,000	20,000
Raw cane sugar	1	Brazil	334,054	€98/ton	86.44	0	0	200,000
Sheep and goat meat	2	Argentina Uruguay	24,480	0	100.00	0	0	20,000
Rice						40,000	26,000	150,000
Wheat						200,000	120,000	1,000,000
Maize and sorghum						700,000	400,000	3,500,000
Pork						11,000	6,000	20,000
Milk powder (skim, whole)						13,000	6,500	35,000
Butter						4,000	2,000	20,000
Cheese						20,000	10,000	60,000
Ethanol						1,000,000	600,000	1,000,000

Source: DG AGRI.

TRQ ceilings for livestock products are in product weight.

The TRQs that existed in 2009 are unchanged in the reference simulation. These quotas are defined for specific tariff lines, and are formally allocated to individual Mercosur countries. Out-of-quota tariffs for the existing TRQs in 2009 were: poultry: €1300/1000kg (for the greater part); beef: 12.8% + €304.10 /100 kg (for the greater part); garlic: 9.6% + €120/100 kg; sugar: €33.90/100 kg; sheep and goat meat: 12.8% + €126.26-€311.80/100kg, depending on tariff line.

In the policy scenarios, the increases shown for each product are relative to the reference scenario. The increases in TRQs for products that already have them are partly for tariff lines that already have a TRQ and partly for new tariff lines within that product category. In all scenarios, the in-quota tariff is zero for all TRQs.

Table A1.8: Mercosur's tariff concessions to the EU under the two FTA scenarios

Products	EU offer	Mercosur offer
Industrial goods	20% reduction: Diverse valves and similar appliances for pipes, boilers, shells, tanks, vats, or the like, including pressure-reducing valves and thermostatically valves Other articles of vulcanised rubber other than hard rubber for motor vehicles of headings 8701 to 8705 Paper and paperboard, weighing 40g/m ² or more but not more than 150 g/m ² not containing more than 360mm with one side not exceeding 335 mm in the unfolded state Parts for use solely or partially with the engines of heading 8407 or 8408	20% reduction: As for Scenario 1. plus <i>Selected vehicles, other than railway or tramway (Chapter 87)¹</i>
	50% reduction: Fittings for furniture, coachwork or the like of headings 3901 to 3914, brake linings and pads, articles containing magnesite, not elsewhere included, rear-view mirrors for vehicles, flat-rolled products of iron or non-alloy steel of a thickness of less than 0,5mm, other bars and rods of free-cutting steel or non-alloy steel not further worked than forged; angles, shapes and sections of iron or non-alloy steel not further worked than cold-formed or cold-finished; flat rolled products of stainless steel, of a width of less than 600mm of a thickness of 4,75 mm or more; wire of stainless steel; flat-rolled products of high-speed steel, of a width of less than 600mm; other bars and rods of silico-magnese steel; tubes and pipes and hollow profiles welded of circular cross-section; other cloth, grill, netting and fencing of expanded metal; coach screws whether or not with their nuts or washers; padlocks and locks of a kind used for motor vehicles and furniture; spark-ignition reciprocating of a cylinder capacity exceeding 1000 cm ³ used for tractors and other motor vehicles; compression and ignition internal combustion piston engines used for the propulsion of vehicles of Chapter 87; other parts suitable for use solely or principally with engines of heading 8407 or 8408; pumps for liquids whether or not fitted with a measuring device, automobile valves, transmission shafts, gears and gearing other than toothed wheels, gaskets and similar joints of metal, selected automobile parts from Chapter 85, 87 and 90, and seats of a kind used for motor vehicles.	50% reduction: As for Scenario 1.
	<i>Excluded from negotiations:</i> Selected chemical products, painting preparations, textiles, selected hand tools for mechanical appliance, selected miscellaneous articles of base metal, selected machinery and mechanical appliances, electrical equipment, parts thereof; selected vehicles, other than railway or tramway (Chapter 87); selected instruments for optical, photographic, measuring or checking precision, selected seats for automobile and parts thereof	<i>Excluded from negotiations:</i> As for Scenario 1 but without <i>selected vehicles, other than railway or tramway (Chapter 87);</i>
Agricultural Goods	20% reduction: carcasses and half-carcasses and other meat of domestic swine; full milk, whey, butter, other cheese, malt, wheat starch; potato starch; wheat gluten whether or not dried; olive oil virgin; hams and cuts of pig meat; sugar, preparation of cereals others; mixes and doughs for baking, pasta containing eggs; other uncooked pastas; prepared food obtained from unroasted cereal or cereal prod; bread and sweet biscuits, waffles and wafers, rusks toast and similar breads, preparations of tomatoes, potatoes and other horticultural prod; non alcoholic beverages in containers of 2L or less. 50% reduction: Preparations mixture of vegetables, fruits, nuts and other parts of plants Food processed containing cereals, bulgur wheat; tea extracts; inactive yeasts; bourbon whiskey, chewing gum, whether or not sugar-coated; white chocolate.	Not relevant – all tariffs go to zero

¹ In the original proposal, Chapter 87 is subject to a TRQ regime in Scenario 2. Due to the lack of information on the details of the TRQ regime, we assume here that this chapter is subject to a 20% tariff reduction.

Note to Table A1.8. explaining how the partial tariff cuts were implemented in the model

The list of industrial products (at the 8-digit level) not being a subject to full liberalization was extracted from data received by DG-AGRI from Mercosur (2004). To make it usable for this study required: a) selecting products exempted from full liberalisation, and b) aggregating them to HS-6 digit level. Where a HS-6 tariff line contained products that, at HS-8 level, involved tariff concessions of different degrees, the most restrictive treatment was assumed at HS-6 level. As a result 769 products (16.8% of all industrial HS-6 lines) were identified of which: 661 (14.4% of all HS-6 lines) were defined as sensitive products per se; 72 (1.6%) as candidates for 50% tariff reduction; 12 (0.26%) as candidates for 20% tariff reduction; and 24 (0.52%) as candidates for TRQs. Respective tariff cuts (20%, 50%, etc.) adjusted to the product specification used in GLOBE were implemented using the TASTE programme.

Once this preliminary work had compiled the tariff cut information at HS-6 level, it had to be made compatible for use in GLOBE. This was done using the MacMap database and the TASTE programme (Horridge and Laborde, 2010)². MacMap is a comprehensive database of bilateral trade flows and tariff revenues for about 5000 goods reported at the 6-digit level of the Harmonized System of Commodity Description and Coding (HS) for about 200 regions for the year 2004. Each country's tariff rate for a GLOBE commodity category represents the average of the corresponding HS-6 tariff rates weighted by the corresponding HS-6 trade flows. The applied rates are estimated in TASTE by dividing tariff revenue by import values cif.

TASTE (based on the MacMap-HS6 database, version 2, base year 2004), takes the relevant HS-6 ad valorem bilateral tariffs from MacMap, calculates the percentage cuts in ad valorem tariffs as given in the tariff scenario design previously for each Mercosur Scenario (A and B) and finally aggregates to GLOBE commodity level using import weights based on the reference group method of Bouët et al. (2008).

The imputed applied rates may therefore differ from rates calculated from national customs duty schedules, since, for example, they take into account the effect of preferential trading arrangements that may result in differential tariff rates on imports from different countries and other tariff concession arrangements. Imputed rates would also typically include any anti-dumping duties levied.

TASTE creates a file reporting the tariff changes for GLOBE commodities in order to incorporate these tariff changes into GLOBE.

2 A similar procedure to the one used here was adopted by Decreux and Ramos (2007).

■ Annex 2: GLOBE simulation results

Additional tables

Table A2.1: Scenarios 1 and 2: Total exports, all countries, difference from reference scenario (%)

	rice	wht	oer	v_f	osd	c_b	pfb	ocr	ctl	oap	rmk	wol	cmt	omt	vol	dair	sgr	f_b_t	prim	fuel	manf	trd	serv
ACP	Sc1	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	-0.1	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.5	-0.1	-0.4	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CAN	Sc1	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	Sc1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EU15	Sc1	0.4	-0.1	0.1	0.2	-0.1	0.0	0.1	-0.1	0.1	0.0	0.6	0.1	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0
	Sc2	0.3	-0.1	-0.1	0.2	-0.1	0.0	0.2	-0.2	0.1	0.1	0.6	0.1	-0.1	-0.1	0.8	0.1	0.0	0.4	0.0	0.0	0.3	0.0
EU12	Sc1	0.0	-0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.5	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0
	Sc2	0.0	-0.1	0.3	0.1	-0.1	0.0	0.1	0.1	0.2	0.1	0.3	1.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.2	0.0	0.0
FTAs	Sc1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.2	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.4	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDIA	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAPAN	Sc1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	1.4	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MERCOSUR	Sc1	0.9	4.7	1.7	3.8	0.3	-0.1	-0.2	0.7	1.9	5.5	24.6	4.3	4.2	1.9	2.5	0.5	1.1	-0.1	-0.1	0.4	0.0	-0.1
	Sc2	2.5	6.8	5.7	3.7	0.2	-0.1	-0.3	0.6	2.9	6.1	22.8	4.4	11.0	3.6	2.4	0.4	0.4	1.1	-0.2	-0.1	0.3	-0.1
OC'NIA	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROW	Sc1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.4	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WTO DC	Sc1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RUSSIA	Sc1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	-0.1	-0.2	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.9	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USA	Sc1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source: GLOBE simulation results.

Note: In this table, the trade changes do not include trade within the regions ('intra-trade'). That is, exports from EU12 and EU15 do not include trade between these two blocs, but only trade from each of these blocs to third countries. Similarly, exports from Mercosur do not include exports from individual Mercosur countries to other Mercosur countries, but only exports outside the Mercosur region.

Table A2.2: Scenarios 1 and 2: Total imports, all countries, difference from reference scenario (%)

	rice	whit	ocer	v_f	osd	c_b	pfib	ocr	ctl	oap	rmk	wol	cmt	omt	vol	dair	sgr	f_b_t	prim	fuel	manf	trd	serv
ACP	Sc1	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	-0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAN	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	-0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EU15	Sc1	0.1	0.6	4.0	0.4	0.0	0.1	0.0	0.3	1.5	0.7	0.1	5.6	3.6	4.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
	Sc2	0.2	1.1	14.4	0.4	0.0	0.0	0.3	0.1	1.5	0.7	0.1	14.6	6.9	4.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0
EU12	Sc1	0.1	7.5	1.7	0.3	0.1	0.0	0.0	0.4	0.0	0.7	0.1	5.1	2.2	5.1	4.1	0.7	0.2	0.0	0.0	0.0	0.0	0.0
	Sc2	0.4	9.6	6.1	0.3	0.0	0.0	0.4	0.0	0.8	0.7	0.1	13.0	4.2	5.0	4.1	5.3	0.2	0.0	0.0	0.0	0.0	0.0
FTAs	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDIA	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-JAPAN	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MERCOSUR	Sc1	1.2	-0.2	2.1	2.4	1.6	0.0	0.3	2.0	1.5	0.2	1.4	5.7	4.2	4.0	7.7	4.6	5.9	0.1	0.1	2.0	0.1	0.1
	Sc2	1.3	-0.4	1.9	2.6	1.7	0.2	0.3	2.1	2.4	3.5	1.6	5.5	3.9	9.9	16.4	4.5	10.3	0.2	0.2	2.1	0.2	0.2
OC'NIA	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.2	-0.2	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RoW	Sc1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WTO DC	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RUSSIA	Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USA	Sc1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sc2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source: GLOBE simulation results.

Note: In this table, the trade changes do not include trade within the regions ('intra-trade'). That is, imports by EU12 and EU15 do not include trade between these two blocs, but only trade flows into each of these blocs from third countries. Similarly, imports into Mercosur do not include imports by individual Mercosur countries from other Mercosur countries, but only imports from outside the Mercosur region.

Table A2.3: Post-Doha Scenarios: Total exports, all countries, difference from reference scenario (%)

	rice	wht	ocer	v_f	osd	c_b	pfb	ocr	ctl	oap	rmk	wol	cmt	omt	vol	dair	sgr	f_b_t	prim	fuel	manf	trd	serv	
ACP	DDA	6.2	-0.3	-0.7	5.1	0.1	5.2	-0.3	-0.7	0.3	0.0	-0.3	9.8	1.1	-0.8	2.8	49.1	0.3	-0.2	-0.6	0.1	0.0	-0.2	
	DM1	6.2	-0.3	-0.7	5.1	0.0	5.2	-0.3	-0.7	0.3	0.0	-0.3	9.7	1.0	-1.2	2.8	49.0	0.3	-0.2	-0.6	0.1	0.0	-0.2	
	DM2	6.2	-0.4	-0.9	5.1	0.0	5.2	-0.3	-0.7	0.2	0.0	-0.3	9.4	1.0	-1.2	2.8	48.9	0.3	-0.2	-0.6	0.1	0.0	-0.2	
CAN	DDA	2.7	1.5	0.0	1.8	-0.2	-0.8	0.2	1.4	2.5	2.2	-0.9	1.1	19.8	0.2	-13.3	-8.3	3.4	-0.5	0.3	-0.6	0.5	0.2	
	DM1	2.7	1.5	0.0	1.8	-0.3	-0.8	0.2	1.4	2.5	2.2	-1.0	1.1	19.8	0.2	-13.3	-8.3	3.4	-0.5	0.3	-0.7	0.5	0.2	
	DM2	2.7	1.4	-0.1	1.8	-0.2	-0.8	0.2	1.4	2.5	2.1	-1.0	1.1	19.8	0.2	-13.3	-8.3	3.4	-0.5	0.3	-0.6	0.5	0.2	
CHINA	DDA	26.5	-0.3	-0.3	6.5	0.6	-1.2	0.5	4.3	0.0	0.6	0.0	1.0	-2.3	-0.2	3.7	25.8	4.1	0.9	0.5	1.9	0.4	0.2	
	DM1	26.5	-0.3	-0.3	6.4	0.5	-1.2	0.5	4.3	0.0	0.6	-0.1	1.1	-2.3	-0.2	3.7	25.8	4.1	0.9	0.5	1.9	0.4	0.2	
	DM2	26.5	-0.3	-0.4	6.4	0.5	-1.2	0.5	4.3	0.0	0.6	-0.1	1.2	-2.3	-0.2	3.7	25.8	4.1	0.9	0.5	1.9	0.4	0.2	
EU15	DDA	-6.9	3.1	8.5	4.0	1.6	-0.5	0.6	8.3	0.7	0.7	0.1	1.8	16.4	2.0	-3.1	-34.1	3.1	1.2	0.3	1.0	0.6	0.1	
	DM1	-6.6	3.0	8.6	4.2	1.4	-0.6	0.6	8.4	0.7	0.8	0.1	1.4	16.4	2.2	-3.1	-34.1	3.3	1.2	0.3	1.2	0.7	0.1	
	DM2	-6.6	3.0	8.4	4.2	1.5	-0.6	0.6	8.4	0.6	0.8	0.1	1.4	16.4	2.8	-3.0	-34.1	3.5	1.2	0.3	1.2	0.7	0.1	
EU12	DDA	-1.6	3.6	10.4	3.4	1.9	7.4	0.4	4.6	6.5	1.1	13.0	0.6	5.0	14.6	3.5	-3.5	-28.5	2.0	2.1	0.5	0.6	0.2	
	DM1	-1.6	3.5	10.4	3.5	1.7	7.4	0.4	4.7	6.6	1.2	13.0	0.8	5.3	14.7	3.5	-3.4	-28.4	2.1	2.1	0.5	0.8	0.2	
	DM2	-1.6	3.4	10.7	3.5	1.8	7.4	0.4	4.7	6.6	1.2	13.0	0.8	5.6	14.7	3.5	-3.3	-28.4	2.1	2.1	0.5	0.8	0.2	
FTAs	DDA	-3.8	4.7	26.7	13.4	-0.5	-0.9	0.3	-2.7	-4.9	0.9	0.2	0.3	6.8	6.7	-0.2	2.1	19.8	0.8	0.2	0.1	0.5	-0.2	
	DM1	-3.8	4.7	26.7	13.4	-0.6	-0.9	0.3	-2.7	-4.9	0.8	0.1	0.1	6.7	6.7	-0.4	2.1	19.8	0.8	0.2	0.1	0.4	-0.2	
	DM2	-3.8	4.7	26.6	13.4	-0.6	-0.9	0.3	-2.7	-4.9	0.8	0.1	0.1	6.5	6.6	-0.4	2.1	19.8	0.8	0.2	0.1	0.5	-0.2	
INDIA	DDA	3.0	0.1	-2.1	-0.2	2.3	-1.6	0.4	0.8	0.3	0.2	-0.1	1.1	9.1	5.4	-0.2	1.6	5.4	1.5	0.0	0.6	1.2	0.5	0.1
	DM1	3.0	0.1	-2.1	-0.2	2.3	-1.6	0.4	0.8	0.3	0.2	-0.1	1.1	9.1	5.4	-0.3	1.6	5.4	1.5	0.0	0.6	1.1	0.5	0.1
	DM2	3.0	0.1	-2.0	-0.2	2.3	-1.6	0.4	0.8	0.3	0.2	-0.1	1.1	9.0	5.4	-0.3	1.6	5.4	1.5	0.0	0.6	1.1	0.5	0.1
JAPAN	DDA	4.0	0.9	-14.4	1.3	0.8	0.0	0.1	0.4	-1.1	-1.8	0.4	0.0	3.6	-4.0	1.2	2.6	1.9	2.6	1.9	0.8	1.4	0.5	-0.1
	DM1	4.0	0.9	-14.4	1.3	0.8	0.0	0.1	0.4	-1.2	-1.8	0.4	0.0	3.8	-4.0	1.3	2.6	1.9	2.6	1.9	0.8	1.4	0.5	-0.1
	DM2	4.0	0.9	-14.4	1.3	0.8	0.0	0.1	0.4	-1.2	-1.8	0.4	0.0	4.4	-4.0	1.3	2.6	2.0	2.6	1.9	0.8	1.4	0.5	-0.1
MERCOSUR	DDA	1.9	2.6	1.2	4.5	0.5	0.9	0.0	3.4	6.3	5.2	-1.6	0.2	26.7	5.0	0.4	6.5	8.2	3.1	0.0	0.1	0.6	0.2	-0.1
	DM1	2.1	4.4	2.1	7.3	0.9	0.8	0.0	3.3	7.7	7.2	22.9	4.6	28.2	6.1	2.8	6.6	8.4	3.2	0.0	0.0	0.9	0.2	-0.1
	DM2	2.9	8.5	6.7	7.2	0.8	0.8	-0.1	3.3	8.6	7.7	24.6	4.7	33.4	7.1	2.7	6.5	8.6	3.2	-0.1	0.0	0.8	0.2	-0.2
OC'NIA	DDA	19.2	-0.2	0.0	1.8	0.3	5.0	0.8	1.6	3.3	1.0	3.7	-0.2	12.1	4.5	1.7	10.5	17.0	4.3	0.2	0.2	0.1	0.1	-0.2
	DM1	19.1	-0.2	0.0	1.8	0.2	5.0	0.8	1.6	3.3	1.0	3.7	-0.2	12.1	4.5	1.7	10.5	17.0	4.3	0.2	0.2	0.1	0.1	-0.2
	DM2	19.1	-0.2	0.0	1.8	0.2	5.0	0.8	1.6	3.2	1.0	3.7	-0.2	11.8	4.5	1.7	10.6	17.0	4.3	0.2	0.2	0.1	0.1	-0.2

	rice	wht	ocer	v_f	osd	c_b	pfb	ocr	ctl	oap	rmk	wol	cmt	omt	vol	dair	sgr	f_b_t	prim	fuel	manf	trd	serv	
RoW	DDA	3.9	2.0	-1.2	0.2	0.9	6.5	-0.2	0.0	0.1	-0.2	-0.1	12.3	1.4	2.8	3.4	26.0	0.8	0.2	-0.1	0.5	0.1	-0.3	
	DM1	3.9	2.0	-1.2	0.2	0.8	6.5	-0.2	0.0	0.1	-0.2	-0.2	12.2	1.3	2.6	3.4	26.0	0.8	0.2	-0.1	0.5	0.1	-0.3	
	DM2	3.9	1.9	-1.4	0.2	0.8	6.5	-0.2	0.0	0.1	-0.2	-0.2	11.9	1.3	2.6	3.4	25.9	0.8	0.2	-0.1	0.5	0.1	-0.3	
WTO DC	DDA	8.4	0.0	0.9	0.2	1.3	-0.4	0.2	2.1	-0.4	1.2	-0.3	1.0	0.9	3.1	3.9	14.4	2.4	-0.1	0.0	0.7	0.1	-0.2	
	DM1	8.4	-0.1	0.8	0.2	1.2	-0.4	0.2	2.1	-0.4	1.2	-0.4	0.9	0.8	2.8	3.9	14.4	2.4	-0.1	0.0	0.7	0.2	-0.2	
	DM2	8.4	-0.1	0.7	0.2	1.3	-0.4	0.2	2.1	-0.5	1.2	-0.4	0.9	0.6	2.9	3.9	14.4	2.4	-0.1	0.0	0.7	0.2	-0.2	
RUSSIA	DDA	2.7	3.8	4.8	-0.1	0.1	0.0	0.0	1.1	-0.6	-0.6	-1.1	0.0	9.0	-0.5	0.0	0.7	5.4	3.2	0.5	0.4	0.7	0.2	-0.3
	DM1	2.6	3.8	4.8	-0.1	-0.1	0.0	0.0	1.1	-0.6	-0.6	-1.1	-0.1	8.9	-0.5	-0.2	0.7	5.4	3.2	0.5	0.4	0.6	0.2	-0.3
	DM2	2.6	3.8	4.5	-0.1	0.0	0.0	0.0	1.1	-0.6	-0.6	-1.1	-0.1	8.5	-0.6	-0.2	0.7	5.4	3.2	0.5	0.4	0.6	0.2	-0.3
USA	DDA	19.8	0.8	4.2	1.3	0.0	0.7	0.3	9.6	2.0	1.9	0.0	1.2	1.3	12.4	1.2	-2.0	-0.7	4.0	0.6	0.7	0.4	0.1	
	DM1	19.8	0.7	4.2	1.3	-0.2	0.7	0.3	9.6	2.0	1.9	0.0	1.1	1.3	12.4	1.1	-2.0	-0.7	4.0	0.6	0.7	0.4	0.1	
	DM2	19.8	0.7	4.2	1.3	-0.1	0.7	0.3	9.6	2.0	1.9	0.0	1.1	1.3	12.4	1.1	-2.0	-0.7	4.0	0.6	0.7	0.4	0.1	

Source: GLOBE simulation results.

Note: In this table, the trade changes do not include trade within the regions ('intra-trade'). That is, exports from EU12 and EU15 do not include trade between these two blocks, but only trade from each of these blocks to third countries. Similarly, exports from Mercosur do not include exports from individual Mercosur countries to other Mercosur countries, but only exports outside the Mercosur region.

Table A2.4: Post-Doha scenarios: Total imports, all countries, difference from reference scenario (%)

	rice	whit	ocer	v_f	osd	c_b	pfib	ocr	ctl	oap	rmk	wol	cmt	omt	vol	dair	sgr	f_b_t	prim	fuel	manf	trd	serv
ACP																							
DDA	0.0	0.5	-0.8	-0.1	0.5	7.1	0.1	0.0	0.6	1.6	1.3	0.9	-0.9	0.1	0.6	-4.0	-5.6	1.2	0.6	0.1	0.4	0.2	0.2
DM1	0.0	0.5	-0.8	-0.1	0.6	7.1	0.1	0.0	0.6	1.6	1.3	0.8	-0.9	0.1	0.6	-4.0	-5.5	1.2	0.6	0.1	0.4	0.2	0.2
DM2	0.0	0.5	-0.8	-0.1	0.6	7.1	0.1	0.0	0.6	1.6	1.3	0.8	-0.9	0.1	0.6	-4.0	-5.5	1.2	0.6	0.1	0.4	0.2	0.2
CAN																							
DDA	1.4	0.7	0.7	0.1	0.3	2.7	0.2	-0.5	0.0	12.8	-0.6	0.2	0.2	22.0	1.9	25.7	0.9	4.2	0.0	-0.3	0.3	0.1	0.2
DM1	1.4	0.7	0.7	0.1	0.3	2.7	0.2	-0.5	0.0	12.8	-0.6	0.2	0.2	22.0	1.9	25.7	0.9	4.2	0.0	-0.3	0.3	0.1	0.2
DM2	1.4	0.7	0.8	0.1	0.3	2.7	0.2	-0.5	0.0	12.8	-0.6	0.2	0.1	22.0	1.9	25.7	0.9	4.2	0.0	-0.3	0.3	0.1	0.2
CHINA																							
DDA	-1.3	0.2	-0.5	-0.4	0.1	2.6	0.0	-0.5	1.8	0.6	0.8	0.0	-0.6	-0.5	0.1	-1.9	-1.4	0.7	0.1	0.1	1.2	-0.2	-0.1
DM1	-1.3	0.2	-0.5	-0.4	0.1	2.6	0.0	-0.5	1.8	0.6	0.8	0.0	-0.6	-0.5	0.2	-1.9	-1.4	0.7	0.1	0.1	1.2	-0.2	-0.1
DM2	-1.3	0.2	-0.5	-0.4	0.1	2.6	0.0	-0.5	1.8	0.6	0.8	0.0	-0.7	-0.4	0.2	-1.9	-1.4	0.7	0.1	0.1	1.2	-0.2	-0.1
EU15																							
DDA	56.8	6.8	6.0	12.7	-0.5	-0.1	-0.4	3.0	-4.0	2.0	-0.1	-0.2	43.8	16.9	6.7	22.9	76.5	4.8	0.0	-0.1	1.0	-0.1	-0.1
DM1	56.8	7.1	8.4	13.0	-0.5	-0.1	-0.4	3.0	-3.7	2.5	0.6	-0.1	45.7	19.1	10.5	22.9	76.6	4.8	0.0	-0.1	1.0	-0.1	-0.1
DM2	56.9	7.8	20.2	13.0	-0.5	-0.1	-0.4	3.0	-3.8	2.5	0.6	-0.1	52.4	20.9	10.5	22.9	76.8	4.8	0.0	-0.1	1.0	-0.1	-0.1
EU12																							
DDA	70.9	7.6	14.9	15.1	-0.4	2.9	-0.5	3.1	-7.1	1.0	0.1	-0.4	67.1	15.2	5.5	24.4	106.0	6.0	-0.1	0.0	1.0	-0.2	-0.1
DM1	71.0	10.3	15.9	15.3	-0.3	2.9	-0.5	3.1	-7.1	1.3	0.9	-0.3	69.0	16.6	10.4	25.1	107.8	6.0	0.0	0.0	1.0	-0.2	-0.1
DM2	71.1	15.9	20.8	15.3	-0.4	2.9	-0.5	3.1	-7.1	1.3	0.9	-0.3	75.1	17.7	10.3	25.1	110.8	6.0	0.0	0.0	1.0	-0.2	0.0
FTAs																							
DDA	15.5	0.3	-0.3	3.1	0.3	2.6	-0.2	9.8	0.1	1.3	0.9	0.2	7.7	6.8	1.1	0.0	-7.3	2.8	0.5	0.0	0.7	0.0	0.0
DM1	15.5	0.3	-0.3	3.1	0.3	2.6	-0.2	9.8	0.1	1.3	0.8	0.2	7.7	6.8	1.2	0.0	-7.3	2.8	0.5	0.0	0.7	0.0	0.0
DM2	15.5	0.3	-0.3	3.1	0.3	2.6	-0.2	9.8	0.0	1.3	0.8	0.2	7.6	6.8	1.1	0.0	-7.3	2.8	0.5	0.0	0.7	0.0	0.0
INDIA																							
DDA	10.8	-0.2	8.2	4.9	3.5	2.5	-0.1	3.8	-2.2	0.0	0.6	-0.3	-2.4	3.5	4.8	3.2	10.9	2.1	1.0	-0.6	1.7	-0.1	-0.1
DM1	10.8	-0.1	8.2	4.9	3.5	2.5	-0.1	3.8	-2.2	0.0	0.5	-0.3	-2.4	3.5	4.8	3.2	11.0	2.1	1.0	-0.6	1.7	-0.1	-0.1
DM2	10.8	-0.1	8.1	4.9	3.5	2.5	-0.1	3.8	-2.2	0.0	0.5	-0.3	-2.4	3.5	4.8	3.2	10.9	2.1	1.0	-0.6	1.7	-0.1	-0.1
JAPAN																							
DDA	56.1	0.2	1.2	5.0	-0.1	-12.5	-0.2	-0.2	12.3	-0.3	-0.5	2.5	23.2	24.7	1.7	10.3	122.5	5.3	0.3	0.0	0.8	0.0	0.1
DM1	56.1	0.2	1.2	5.0	-0.1	-12.5	-0.2	-0.2	12.3	-0.3	-0.6	2.5	23.2	24.7	1.7	10.3	122.5	5.3	0.3	0.0	0.8	0.0	0.1
DM2	56.1	0.2	1.2	5.0	-0.1	-12.5	-0.2	-0.2	12.3	-0.3	-0.6	2.5	23.2	24.7	1.7	10.3	122.5	5.3	0.3	0.0	0.8	0.0	0.1
MERCOSUR																							
DDA	0.1	1.0	0.3	-1.0	0.0	3.9	0.1	-0.8	3.5	2.5	-5.3	0.9	-3.7	-3.7	0.1	-5.2	-13.1	0.0	-0.2	-0.5	2.4	-0.1	-0.1
DM1	1.1	1.0	2.2	1.4	1.5	3.9	0.3	1.2	4.6	5.3	-4.3	2.3	1.7	0.5	4.0	1.4	-10.4	5.8	-0.1	-0.4	4.0	0.1	0.1
DM2	1.2	0.5	1.9	1.5	1.5	4.0	0.4	1.2	5.4	5.6	1.4	2.5	1.4	0.3	9.7	8.9	-10.4	10.1	0.0	-0.3	4.0	0.1	0.1

	rice	whit	ocer	v_f	osd	c_b	pfib	ocr	ctl	oap	rmk	wol	cmt	omt	vol	dair	sgr	f_b_t	prim	fuel	manf	trd	serv	
OC'NIA	DDA	-2.8	2.5	4.1	-0.1	2.5	4.6	1.2	0.2	4.8	3.9	4.1	1.3	-1.9	-0.1	0.6	-0.8	-6.5	0.4	-0.2	0.0	1.3	-0.1	-0.1
	DM1	-2.8	2.5	4.0	-0.1	2.6	4.5	1.2	0.1	4.8	3.8	3.9	1.3	-1.9	-0.1	0.6	-0.8	-6.5	0.4	-0.2	0.0	1.3	-0.1	-0.1
	DM2	-2.8	2.5	4.0	-0.1	2.5	4.5	1.1	0.1	4.7	3.8	3.9	1.3	-1.8	-0.1	0.6	-0.8	-6.5	0.4	-0.2	0.0	1.3	-0.1	-0.1
RoW	DDA	-0.5	0.5	7.6	0.5	1.3	6.5	0.3	0.7	4.1	1.1	0.2	-0.6	0.1	0.3	-1.6	-6.9	0.5	0.4	0.3	0.3	0.3	0.4	0.4
	DM1	-0.5	0.5	7.6	0.5	1.4	6.5	0.3	0.2	4.1	1.0	0.2	-0.6	0.1	0.3	-1.6	-6.9	0.5	0.3	0.3	0.3	0.3	0.4	0.4
	DM2	-0.5	0.5	7.5	0.5	1.3	6.5	0.3	0.2	4.1	1.0	0.2	-0.7	0.2	0.3	-1.6	-6.9	0.5	0.3	0.3	0.3	0.3	0.4	0.4
WTO DC	DDA	14.7	1.5	1.2	1.7	1.2	7.1	1.0	3.3	1.4	1.2	0.1	1.1	1.9	0.9	-0.5	-4.4	1.9	1.1	0.6	0.6	0.6	0.3	0.3
	DM1	14.7	1.5	1.2	1.7	1.2	7.1	0.6	1.0	3.3	1.4	1.1	1.0	2.0	1.0	-0.5	-4.4	1.9	1.1	0.6	0.6	0.6	0.3	0.3
	DM2	14.7	1.5	1.2	1.7	1.2	7.1	0.6	1.0	3.3	1.4	1.1	1.0	2.0	0.9	-0.5	-4.4	1.9	1.1	0.6	0.6	0.6	0.3	0.3
RUSSIA	DDA	-1.7	-1.2	-3.1	-1.0	-0.4	2.1	-1.1	-0.4	-2.3	-0.8	-0.4	-4.1	-1.7	-0.6	-3.4	-1.3	-2.0	-0.1	-0.3	-0.2	-0.2	-0.4	-0.4
	DM1	-1.7	-1.2	-3.1	-1.0	-0.4	2.1	-1.1	-0.4	-2.3	-0.9	-0.5	-4.2	-1.7	-0.6	-3.4	-1.3	-2.0	-0.1	-0.3	-0.2	-0.2	-0.4	-0.4
	DM2	-1.7	-1.2	-3.1	-1.1	-0.5	2.1	-1.1	-0.4	-2.4	-0.8	-0.5	-4.3	-1.7	-0.7	-3.4	-1.4	-2.0	-0.1	-0.3	-0.2	-0.2	-0.4	-0.4
USA	DDA	-3.2	2.0	-2.4	-0.7	4.2	1.5	1.7	5.1	0.1	1.5	-0.1	5.0	0.2	1.4	9.7	21.5	1.5	-0.2	-0.2	0.8	-0.2	-0.2	-0.2
	DM1	-3.2	2.0	-2.4	-0.7	4.3	1.5	1.7	5.1	0.1	1.5	-0.2	-0.1	5.0	0.2	1.4	9.7	21.5	1.5	-0.2	-0.2	0.8	-0.2	-0.2
	DM2	-3.2	2.0	-2.5	-0.8	4.2	1.5	1.7	5.1	0.1	1.5	-0.1	-0.1	4.9	0.3	1.4	9.7	21.5	1.5	-0.2	-0.2	0.8	-0.2	-0.2

Source: GLOBE simulation results.

Note: In this table, the trade changes do not include trade within the regions ('intra-trade'). That is, imports by EU12 and EU15 do not include trade between these two blocks, but only trade flows into each of these blocks from third countries. Similarly, imports into Mercosur do not include imports by individual Mercosur countries from other Mercosur countries, but only imports from outside the Mercosur region.

■ Annex 3: GLOBE simulation results: sensitivity analyses

Appendix 3A: Alternative closure rules

General equilibrium models are typically over-determined. That is, they contain more variables than equations, and it is therefore impossible to solve for all variables simultaneously. The ‘closure rules’ deal with this problem by selecting some variables to be treated as exogenous. Implicitly, this incorporates into the model a view about causality, or of which factors drive the results. It also makes any given simulation conditional on the specific (exogenously supplied) values of the variables specified as exogenous.

The so-called ‘standard textbook’ closure rules are based on a long-run neoclassical view of the world in which trade balances are fixed (as a function of underlying comparative advantage) and so exchange rates are variable, savings and tax rates are fixed and so investment and government surpluses or deficits are variable, and so on. This set of closure rules (here called ‘standard’) is the variant that we have chosen

Table A3A.1: Alternative sets of closure rules

	‘Main’			‘Standard’
	Developed countries (including EU)	Middle-income developing countries (incl. Mercosur)	Low-income developing countries	All countries
GDP & population growth	Exogenous projections ¹	Exogenous projections ¹	Exogenous projections ¹	Exogenous projections ¹
Closure rule 1: Foreign exchange account	Exchange rate exogenous (fixed projection), trade balance variable	As for developed countries	Exchange rate variable, trade balance fixed	Exchange rate variable, trade balance fixed
Closure rule 2: Capital account	Volume of investment fixed, savings variable (‘investment driven’)	As for developed countries	Investment not fixed, savings rate fixed (savings driven’)	Investment not fixed, savings rate fixed (savings driven’)
Closure rule 3: Government account	Budget surplus/ deficit fixed, household income tax rate variable	Budget surplus/ deficit variable, household income tax rate fixed	As for Mercosur	Budget surplus/ deficit variable, household income tax rate fixed
Closure rule 4: Technology and efficiency	Rate of TFP growth fixed so as to achieve GDP projection for 2020 in reference scenario; GDP variable in policy scenarios			As for ‘main’
Closure rules 5: factor markets: mobility between agriculture and non-agriculture	<i>Unskilled labour:</i> mobile <i>Skilled labour:</i> mobile <i>Capital:</i> mobile <i>Land:</i> mobile between different uses within agriculture, does not ‘exist’ in non-agricultural sector			As for ‘main’
Closure rule 6: Factor capacity use	<i>Unskilled labour:</i> full employment not assumed <i>Skilled labour:</i> full employment not assumed <i>Capital:</i> full capacity use not assumed <i>Land:</i> full use assumed	As for developed countries, except that full capacity use of capital assumed	As for Mercosur	Full employment

1. See Table A1.4.

to compare with the closure rules adopted in our simulation runs (here called ‘main’). Table A3A.1 displays the two sets of closure rules. A shaded area indicates an assumption in the ‘main’ regime that differs from the corresponding ‘standard’ assumption.

Clearly, one would expect the choice of closure rules to influence the simulation results. However, there is no over-riding consensus in the literature about the implications of these choices, or combinations of them, for results³. The potential influence cannot, however, be disregarded, which is what has motivated an increasing interest in performing sensitivity analysis of these modelling decisions. In the words of Taylor and von Arnim (2006, p.72), “An honest simulation strategy should include various closure regimes, so that policy makers can assess different situations”.

Among the differences between the ‘main’ and ‘standard’ rules, the treatment of the trade account is crucial. Our simulations allowed trade balances to vary; this was considered to be particularly appropriate in a study looking at the impacts of trade liberalization. If trade balances are assumed fixed, it severely curtails a country’s ability to respond to new trade opportunities that match its comparative advantage. However, for the least developed countries without easy access to foreign credit, their import capacity is largely determined by their export earnings, and hence we opted for fixed trade balances and flexible exchange rates for these countries. Allowing trade balances to vary is expected to make the model more responsive to trade liberalization measures.

Another controversial choice is between exogenous saving that drive investment (neo-classical) or exogenous investment that drives total saving (so-called Johansen closure). Here, for all except the poorest countries, we opt for exogenous investment, on the grounds that in countries with developed financial sectors investment – at least in the short to medium term – is not closely bound by rates of saving in the economy. Regarding the government account, in the period for which our model is simulated, the majority of countries are struggling to discipline budget deficits, setting fixed targets and manipulating tax rates to achieve them. In less developed countries with a smaller tax base and less sophisticated taxation instruments, this was considered less plausible.

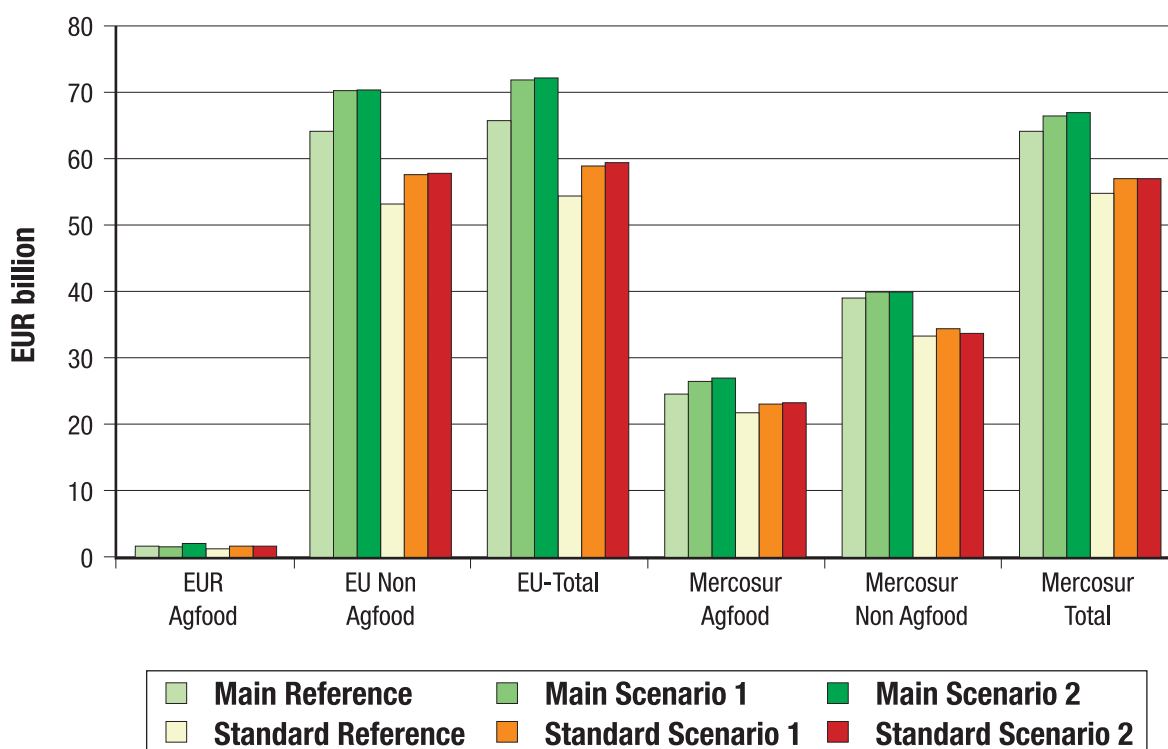
Finally, unlike the ‘standard’ approach, we assumed that markets for all factors need not achieve full employment in developed countries (thereby making factor incomes variable), but for less developed countries that are more likely to suffer from capital scarcity, capital is assumed to be fully employed.

The question addressed here is: what difference do these ‘hand-picked’ closure rules (which inevitably reflect the views of the modelling team) make for the results, in comparison with the ‘standard’ rules that many researchers adopt quasi-automatically without adapting them to the question under research or likely conditions in the world economy?

All scenarios were simulated with the ‘standard’ rules (assuming no sensitive products, the same assumption as adopted for the main results), and the results were compared with those obtained with the ‘main’ rules. It is impossible to report here the comparisons for all variables. Instead, we take a minimalist approach, comparing first the sensitivity of the results for bilateral trade earnings (highly aggregated outcomes), and then – at a more detailed level – the results for EU beef imports and EU beef production. These choices are justified as follows. First, since the policy experiments involve changing the settings

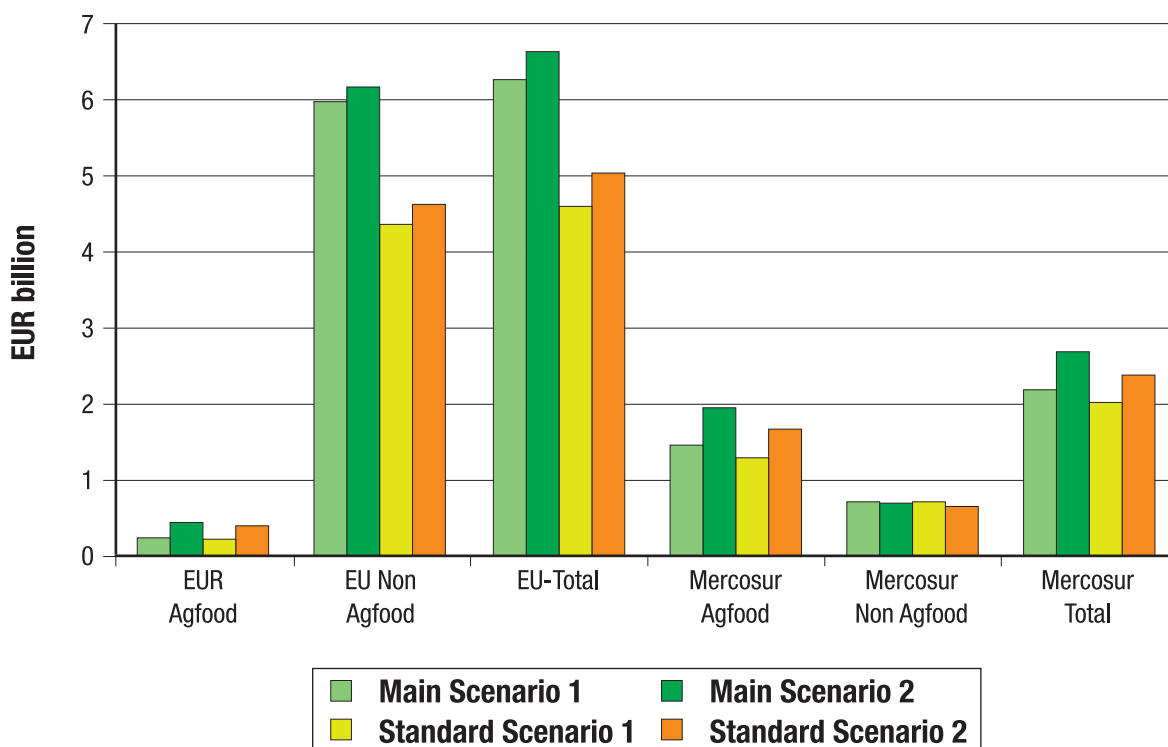
3 For some discussion, see for example McDonald and van Tongeren (2003), Robinson and Lofgren (2005) or Hess and von Cramon-Taubadel (2007).

Figure A3A.1: Bilateral export earnings, comparison of closure rules



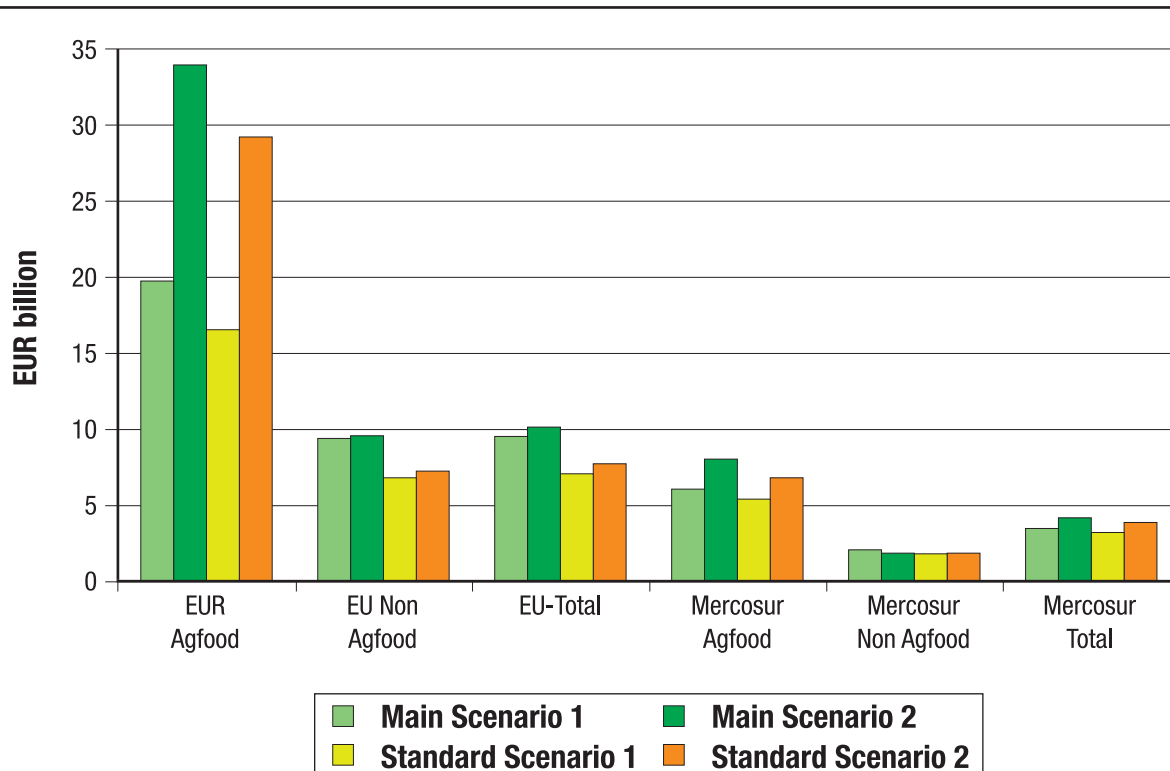
Note: **Main**=closure rules as used in the simulations reported in the main text;
Standard=neoclassical closure rules.

Figure A3A.2: Bilateral export earnings, difference from reference scenario, comparison of closure rules



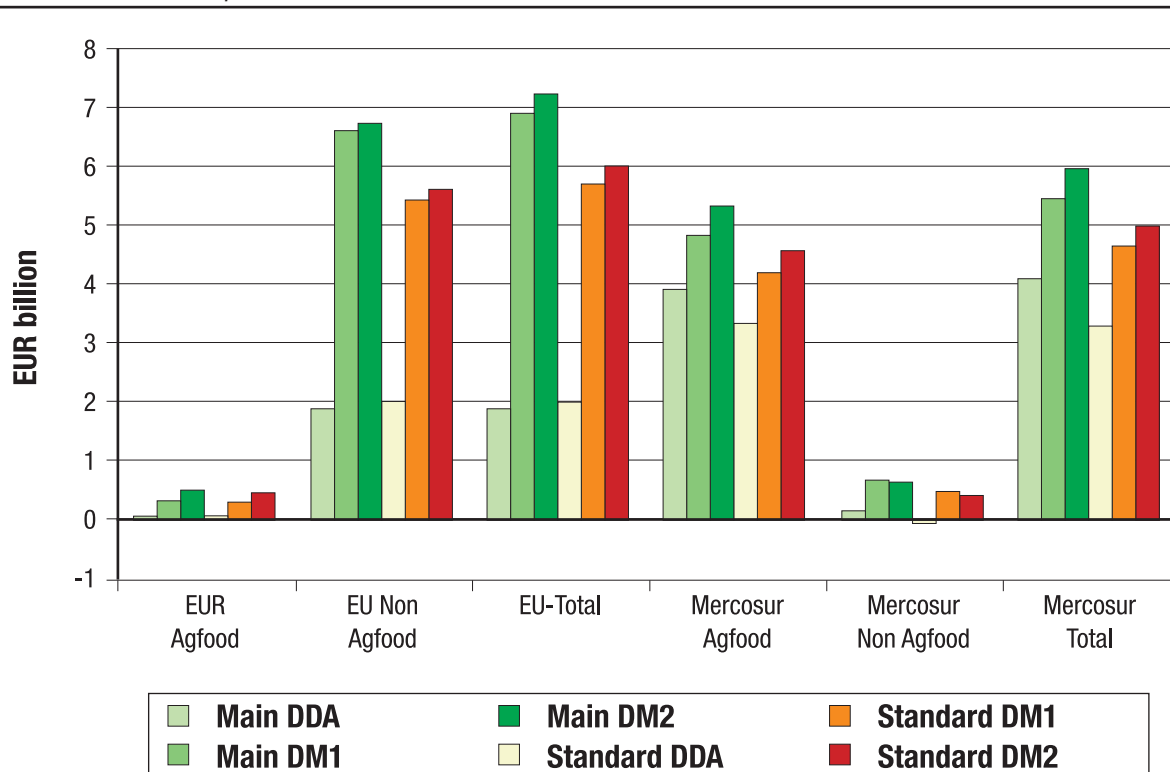
Note: **Main**=closure rules as used in the simulations reported in the main text;
Standard=neoclassical closure rules.

Figure A3A.3: Bilateral export earnings, percentage difference from reference scenario, comparison of closure rules



Note: **Main**=closure rules as used in the simulations reported in the main text;
Standard=neoclassical closure rules.

Figure A3A.4: Bilateral export earnings, difference from reference scenario in billions of euros, comparison of closure rules



Note: **Main**=closure rules as used in the simulations reported in the main text;
Standard=neoclassical closure rules.

of bilateral trade measures, we would expect trade flows to be in the front line of variables affected. Aggregate bilateral trade earnings are a convenient aggregate for summarizing the differences. Second, since impacts on the EU livestock are one of the central issues driving the research in this study, it makes sense to ask whether our closure rules affect the results for this key sector.

Figures A3A.1 to A3A.3 compare the results for bilateral earnings (Scenarios 1 and 2) with the two sets of closure rules: first in levels, then the absolute differences from the reference scenario and finally the percentage difference from the reference scenario. Figure A3A.4 does the same for the post-Doha scenarios, presenting the differences from the reference scenario in billions of euros.

The comparisons in these figures suggest the following conclusions:

- The ‘main’ closure regime always gives higher levels of earnings for each sector, in each scenario (including reference scenario) than ‘standard’.
- The closure regime can affect outcomes in the two blocks differently: for example, the level of EU non-agfood earnings is more affected by the difference in closure rules than Mercosur non-agfood earnings.
- The model is more responsive to scenario changes with ‘main’ closure rules, in terms of absolute amounts and percentages.
- The direction of change, and the comparison between scenarios, is quite consistent between the two closure regimes.
- However, the choice of closure rule can affect the sign of the outcome (see the change in sign for Mercosur’s non-agfood earnings in the DDA scenario, although admittedly with both regimes the outcome is rather close to zero).

Figure A3A.5 shows the percentage difference from the reference scenario for EU beef imports under the alternative closure regimes. The differences are small, and there is no dominant pattern. For the two

■ Figure A3A.5: EU beef imports from Mercosur, percentage difference from the reference scenario, alternative closure rules

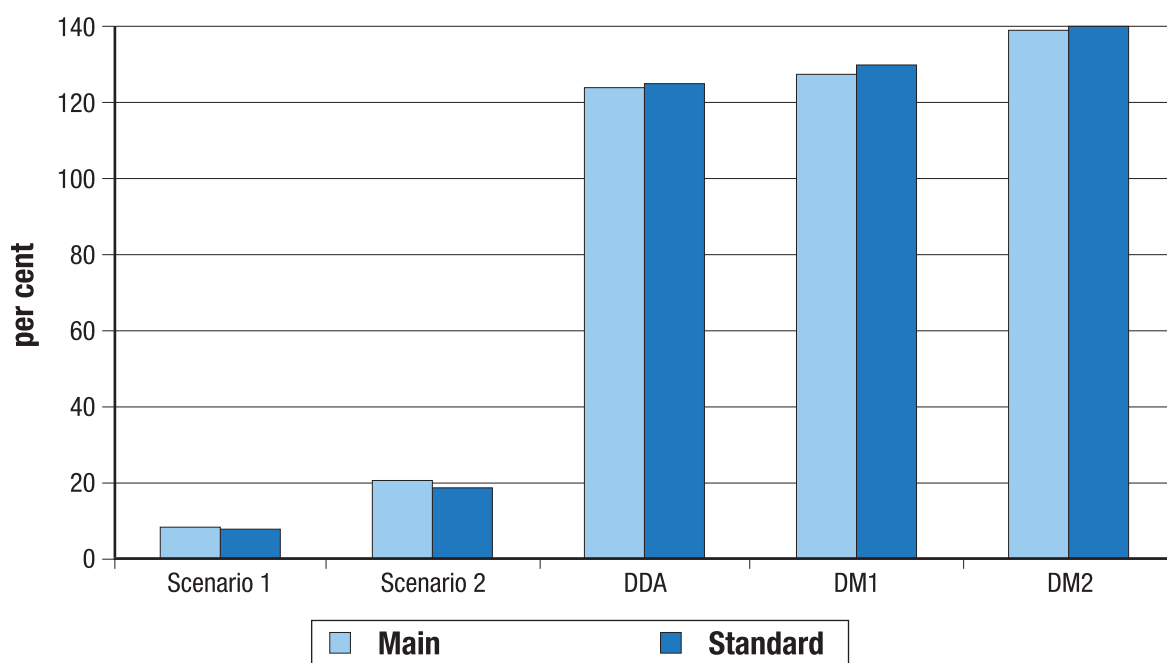
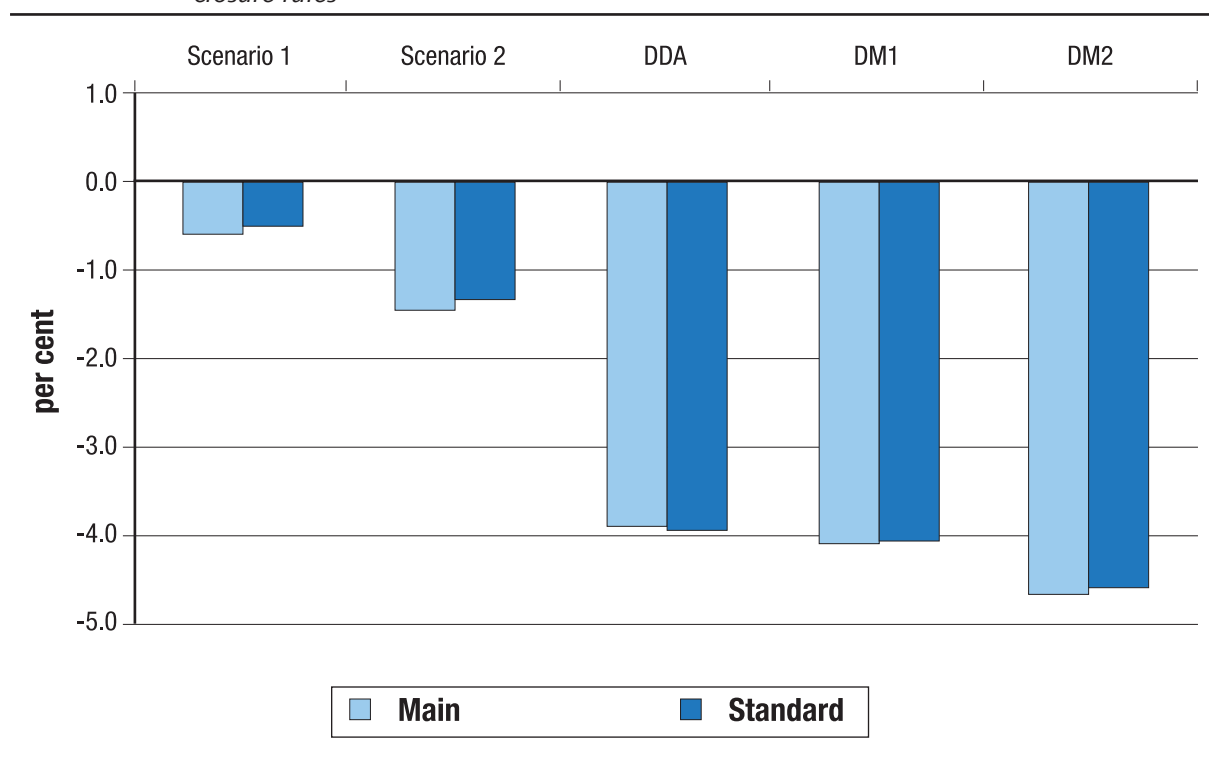


Figure A3A.6: Beef production in the EU, percentage difference from the reference scenario, alternative closure rules



scenarios showing the outcome of a bilateral agreement only, the 'standard' regime indicates slightly less responsiveness to the policy change. The opposite is true for the results of the DDA and DM1 scenarios, whereas for the scenario DM2 virtually the same percentage change is simulated.

It is clear that the bottom-line message is unchanged, regardless of the choice of closure regime.

A similar story emerges from the comparison of the changes in EU beef production with the two sets of closure rules. The relative differences reflect (inversely) those of beef imports, and very similar conclusions would be drawn regardless of the closure regime adopted.

Comparison of the endogenous variable solutions from the simulations using the 'standard' closure regime with the exogenous settings for the 'main' closure regime reveals a few surprises. First, regarding the government account, the 'main' closure rule specified that in 2020 the budget deficit for the EU as a whole would be about 4% of GDP, whereas with the 'standard' closure regime it was simulated to be about 0.5% for EU15 and about 1% for EU12. The deficit for Mercosur (endogenous under both closure regimes) was between about 0.5 and 0.9% of GDP regardless of the closure regime.

Investment as a percentage of GDP was fixed at about 19.5% of GDP for EU15 and 21.5% for EU12 in the 'main' regime, and almost identical rates were reproduced endogenously under the 'standard' closure regime. However, the 'main' assumption of an investment rate for Mercosur of 28.5% was not replicated endogenously with the 'standard' closure regime; in the latter case, it was simulated by the model at only 23.5% of GDP in all scenarios.

The biggest surprise occurs for exchange rates. In the 'main' runs, projected changes in exchange rates were fixed according to the projections of Global Insight, which take not only likely current account trade

movements into account but also projections of capital movements, countries' indebtedness, governments' macro management policies and (to the extent it can be done) the behaviour of financial markets. Not only are Global Insight's projected changes in exchange rates much greater than those generated by the model under the 'standard' closure rules (assuming fixed trade balances), but they often go in the opposite direction. For the EU, a large deterioration in the exchange rate is projected by Global Insight, whereas the 'standard' closure regime predicts little movement. When generated endogenously, Mercosur's exchange rate deteriorates by 6-7%. Global Insight predicts this movement to be much deeper, but in fact in such a way that the same relationship between the euro and the Mercosur currency unit is maintained as assumed in the 'main' runs. For some other trading countries and blocks, discrepancies are also large and in opposing directions.

As already explained, the price for allowing trade balances to be flexible is the exogenous fixing of exchange rates. The exogenous projections chosen can always be questioned. The only reasonable strategy is to take projections from a reliable source, but accepting that the future will probably turn out to be somewhat different.

In summary, therefore, we conclude tentatively that, although the sensitivity analysis supports the ex ante expectation that the closure regime affects the results, in this case the differences are minor and cannot threaten or overturn any policy implications that emerge from the results shown in the main text. This conclusion is tentative because we have presented evidence on a very small number of variables only. However, it is safe to assume that if large differences have not appeared in these variables, they are unlikely to be present for variables that are only indirectly involved in the policy experiments or for variables where the impacts are less marked in the main simulation results.

Appendix 3B: Alternative assumptions regarding quota rent distribution

The standard GLOBE runs reported in the main text incorporate the assumption that the quota rents accruing to imports from Mercosur under TRQs are distributed in equal proportions to EU importers and Mercosur exporters. Sensitivity analysis was performed on this assumption by adopting two alternative assumptions: shares were fixed, first, at 100% to EU importers (zero to Mercosur exporters) and, second, at 100% to Mercosur exporters (zero to EU importers). As mentioned in the main text, exporting countries like to control the implementation of bilateral TRQs themselves as in theory this arrangement gives them the greatest control over the allocation of the rent. In bilateral negotiating situations, the allocation of the rents may be one of the points for negotiation.

Table A3B.1 and Figure A3B.1 show the results of the sensitivity analysis.

Table A3B.1: Total quota rent under different assumptions about its distribution between EU importers and Mercosur exporters, 2020, EUR billion

Distribution of quota rent between EU importers and Mercosur exporters	Reference scenario	Scenario 1	Scenario 2	Scenario DDA	Scenario DM1	Scenario DM2
100% to EU importers	0.526	1.225	2.709	0.164	0.436	1.278
50-50% to EU-Mercosur	0.507	1.166	2.451	0.163	0.428	1.220
100% to Mercosur exporters	0.494	1.145	2.316	0.162	0.421	1.177

Source: GLOBE simulation results.

The sensitivity of the results to the assumed distribution of quota rents between importing and exporting parties can be summarised as follows:

- Total quota rent is substantially higher, regardless of its distribution, in scenarios involving the Mercosur offer (i.e. Scenario 2 and Scenario DM2).
- For each scenario, total rent is highest when all rent is captured by EU importers and lowest when Mercosur exporters are the sole beneficiaries.
- A Doha Round agreement substantially lowers the total quota rent in relation to the relevant non-Doha scenario (i.e. DDA vs. the reference scenario, DM1 vs. Scenario 1, and DM2 vs. Scenario 2).
- The range of variation in total quota rent within each scenario is generally relatively small. For example, for the reference scenario, the two extremes are 3.7% higher and 2.6% lower than the 50-50 result. The greatest variation occurs in the Mercosur-only Scenario 2 (+10.6%, -5.5%), whereas for the two combined scenarios (DM1 and DM2), the variation in either direction is less than 5% of the 50-50 scenario.
- Within each scenario, imports of commodities subject to TRQs are always lower when the quota rent goes entirely to EU importers and higher when it goes entirely to Mercosur importers (see Figure A3B.1).
- EU import values are most sensitive to the assumption regarding quota rent distribution in the two scenarios with the higher TRQ levels requested by Mercosur (Scenario 2 and DM2).

All the commodities shown in Figure A3B.1 are subject to TRQs. However, only one product (garlic) within the vegetables and fruit group has a TRQ, and this is of minor importance. Therefore, the very small degree of sensitivity shown by vegetables and fruit imports to the distribution of TRQ rent is more probably due to indirect effects.

For all TRQ-constrained commodities except wheat, varying the assumption about quota rent distribution results in a similar pattern for imports within each scenario: imports are lowest when all the quota rent goes to EU importers, and highest when it all goes to Mercosur exporters. It should be recalled that in the reference scenario and the DDA-only scenario, there are no TRQs for rice, wheat or other cereals, which explains the absence of sensitivity of these imports to changes in the TRQ-distribution assumption in these scenarios. The case of wheat can be explained as follows: in DM1, the TRQ for wheat is filled and there are out-of-quota imports; therefore, for this scenario the pattern of the import sensitivity is the same for the other TRQ products. In Scenarios 2 and DM2, the TRQ is not filled and hence there are no out-of-quota imports. In these two cases, import values are insensitive to changes in the assumption about quota rent distribution. However, in Scenario 1, the TRQ is just filled, but there are no out-of-quota imports. This explains what looks like a perverse pattern of the sensitivity of value of wheat imports when compared with the other TRQ products, whose TRQs are always filled.

The reaction of simulated EU agricultural output levels is proportionately much smaller (relative to the 50-50 level) than the reaction of EU imports from Mercosur. EU production impacts are negligible except for products subject to bilateral TRQs; here the pattern is that when EU importers get all the quota rent, the production impact is least, and when all quota rents go fully to Mercosur exporters, the impact on EU production is greatest⁴. This variation in the opposite sense to the variation in EU imports from Mercosur is wholly to be expected.

⁴ For example, in scenario DM2 the value of EU beef and sheep meat production is about €0.85 billion higher (€0.65 billion lower) than with the 50-50 assumption when EU importers (Mercosur exporters) capture all the quota rent. This is a variation each way of less than 1%.

Figure A3B.1: Effect of different assumptions regarding quota rent distribution on EU imports from Mercosur of selected commodities, 2020, EUR billion

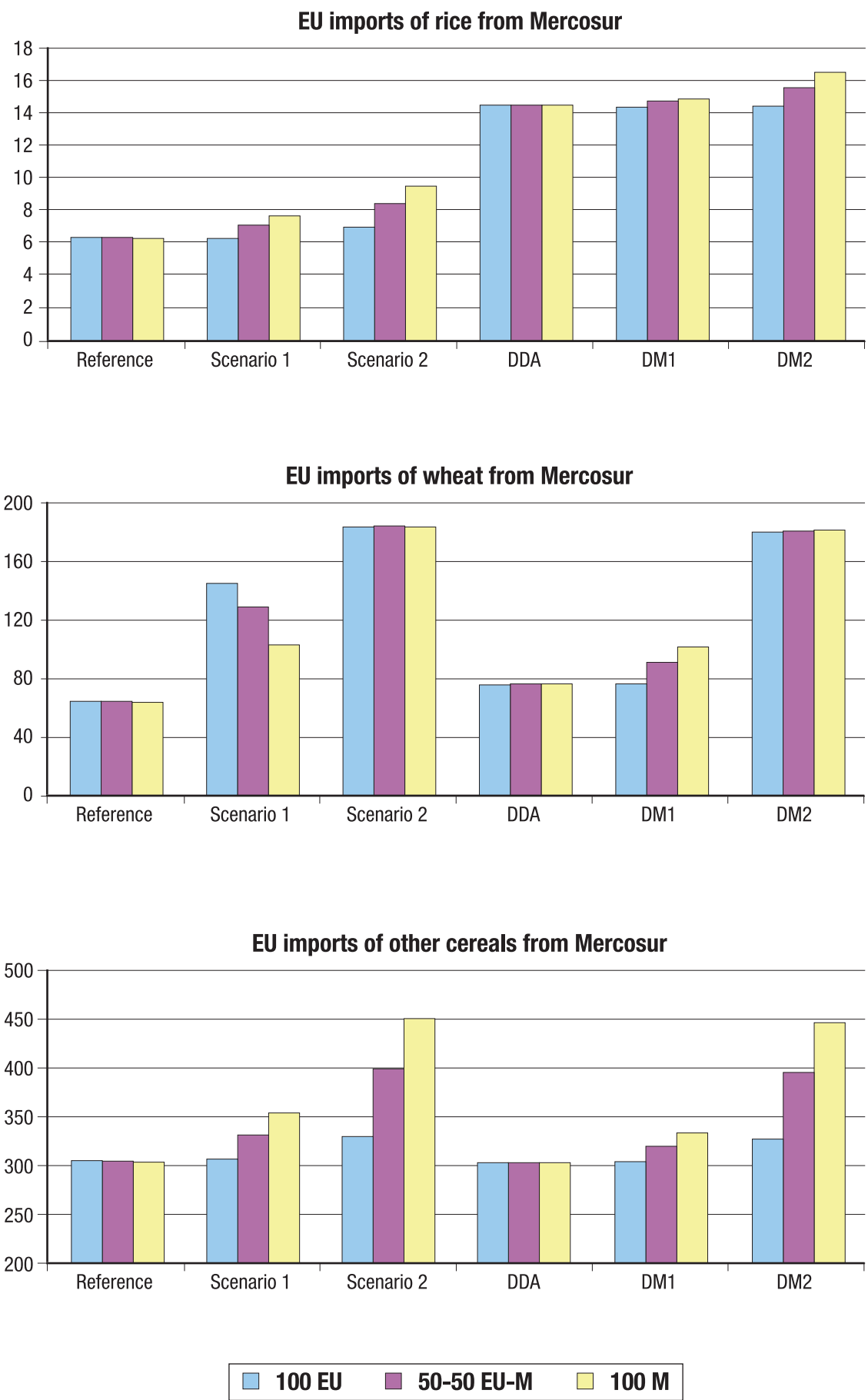
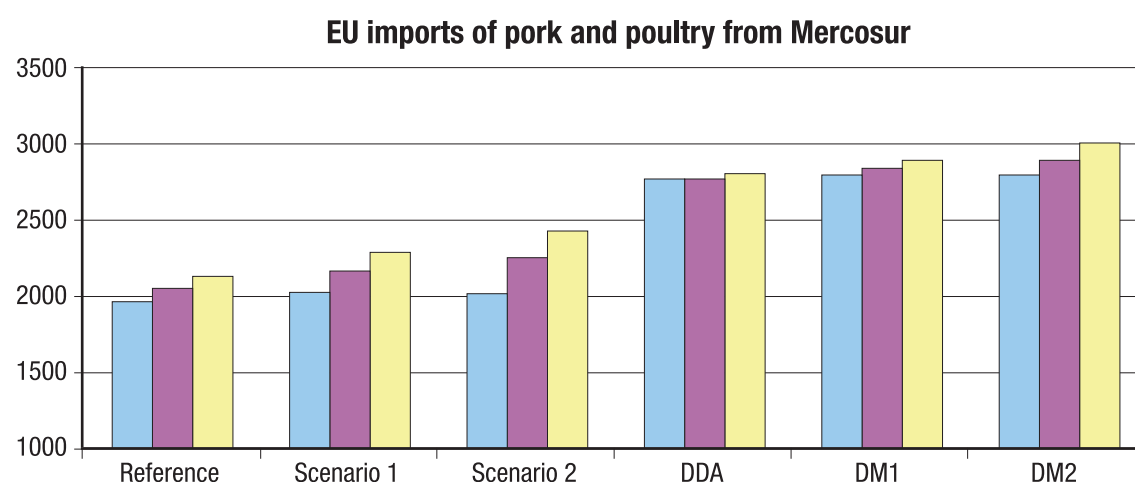
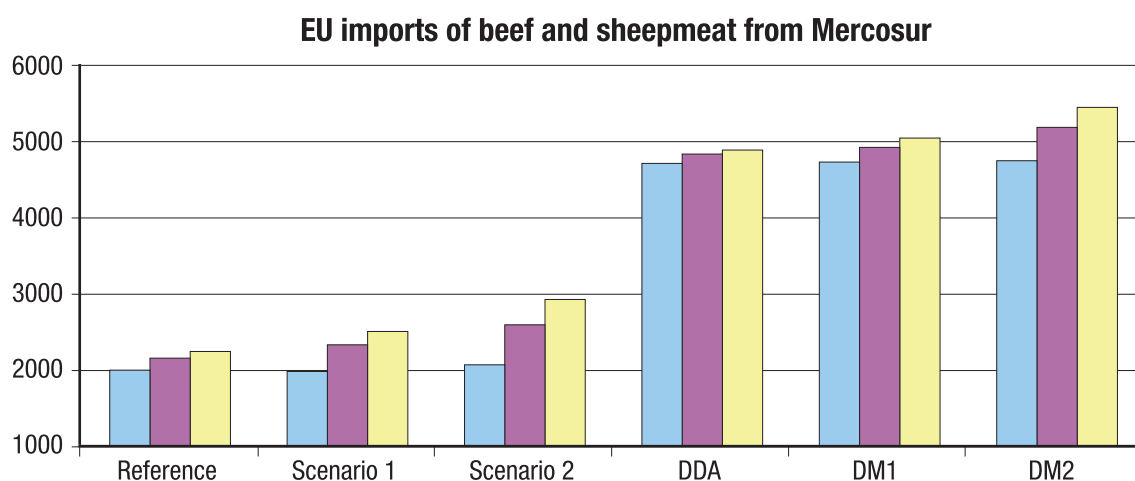
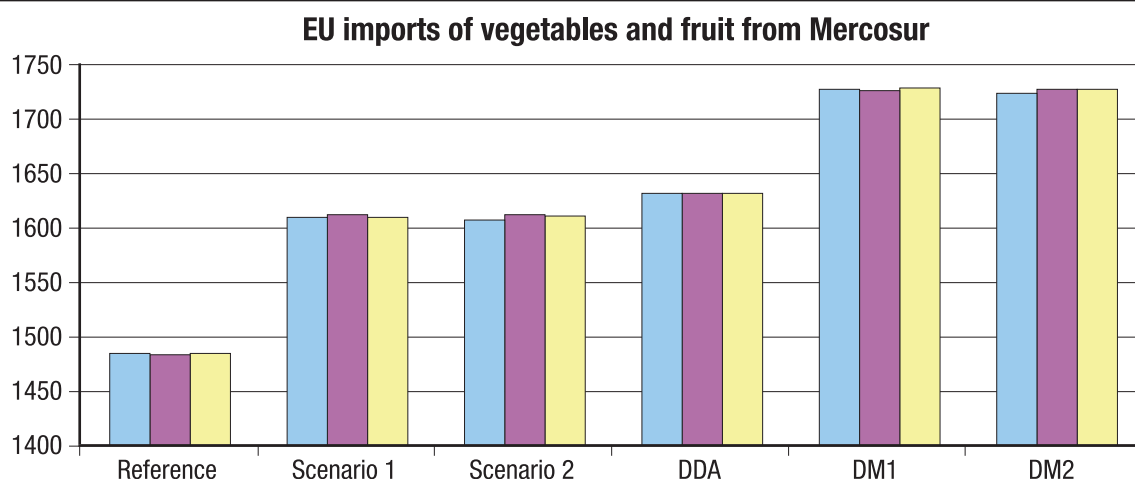
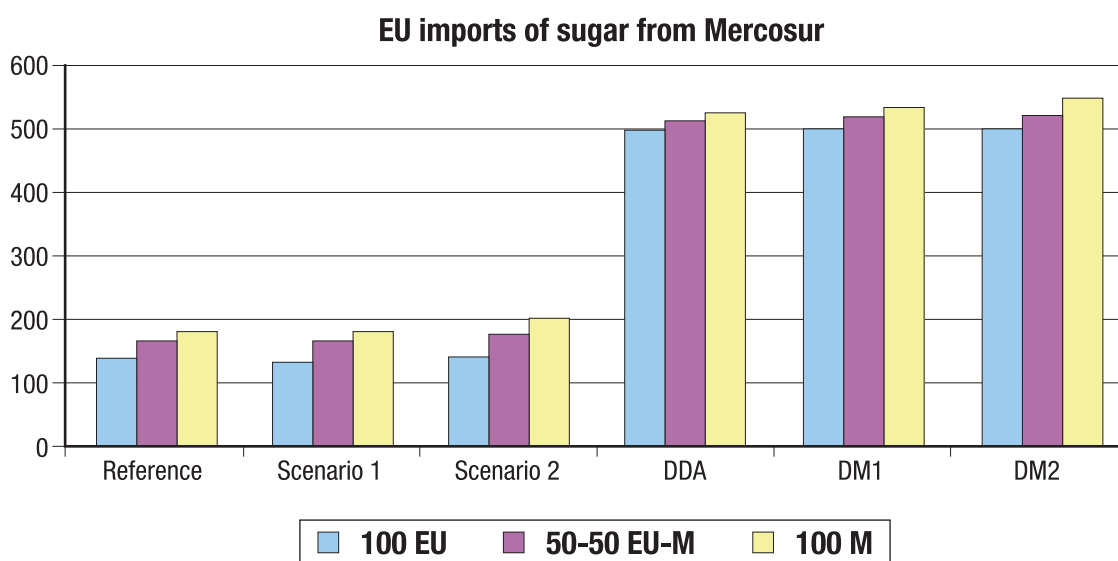


Figure A3B.1: Effect of different assumptions regarding quota rent distribution on EU imports from Mercosur of selected commodities, 2020, EUR billion (continued)



100 EU 50-50 EU-M 100 M

Figure A3B.1: Effect of different assumptions regarding quota rent distribution on EU imports from Mercosur of selected commodities, 2020, EUR billion (continued)



Appendix 3C: Doha Round scenarios with and without sensitive products for developed countries

According to the Revised Draft Modalities For Agriculture (WTO, TN/AG/W/4/Rev.4, 6 December 2008) developed countries may designate up to 4% of their tariff lines as sensitive products, or up to 6% if more than 30% of their tariff lines are greater than 75%). The reduction of tariffs for these products may be 1/3, 1/2, or 2/3 of the reduction as specified in Table 3, compensated by the creation or expansion of erga omnes market access quotas for those products. Due to the inability of this version of GLOBE to simulate multilateral tariff rate quotas, this aspect of the modalities is not applied in the GLOBE simulations reported in the main text. Instead, all tariff lines in developed countries are subject to the standard tiered cuts as displayed in Table 3.

In the sensitivity analysis reported here, sensitive products were assumed for 37 countries with developed country status, and were subjected to the tiered tariff reductions shown in Table A3C.1. These cuts are 1/3 of the reduction applied for non-sensitive products in the same tariff band.

The list of tariff lines assumed to be sensitive for the EU was established as follows. For EU27, Canada, Iceland, Israel, Japan, Norway, Switzerland and USA information about “sensitive” products⁵ was compiled

Table A3C.1

	Initial bound tariff (ad valorem, %)	Average reduction rate (%)
Developed countries	>75	23.0
	50-75	21.0
	20-50	19.0
	0<20	17.0

5 In some of these cases, the share of tariff lines deemed sensitive exceeded 4%.

by DG-AGRI on the basis of a “best guess” assumption. For Australia, Chile, and New Zealand “sensitive” products were defined on the basis of ad valorem equivalents (AVE) of bound tariffs. It was assumed that in this group of developed countries sensitive products consist of 10% of tariff lines (at HS-6 level) with the highest bound AVEs.

Obviously, this is an unrealistic scenario since it is highly unlikely that WTO members would agree to allow developed countries to retain any extra protection for their sensitive products if compensatory multilateral TRQs are not simultaneously opened or expanded for the same products, and as already stated, this second element of the sensitive-product ‘package’ cannot be modelled in GLOBE. Hence, the two alternatives – ‘with’ and ‘without’ sensitive products - can be interpreted as the two extremes of the scope for additional protection that may be allowed to developed countries. The ‘without’ option allows

Table A3C.2: EU imports from Mercosur with and without sensitive products

	Reference Scenario 2020	DDA	Scenario DM 1	Scenario DM 2	DDA	Scenario DM 1	Scenario DM 2
	With sensitive products				Without sensitive products		
	EUR million	Difference from reference scenario, EUR million		Difference from reference scenario, EUR million			
Rice	6.28	1.88	2.34	3.81	8.13	8.36	9.31
Wheat	63.41	10.91	26.30	115.85	10.91	26.32	115.87
Other cereals	306.07	-3.22	13.96	89.16	-1.59	15.49	90.56
Vegetables, fruits	1483.49	52.12	159.86	159.71	146.30	242.36	242.23
Oilseeds	4062.00	-17.59	-17.44	-18.30	-19.39	-19.09	-19.61
Sugar cane, sugar beet	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Plant-based fibres	112.66	-0.16	0.62	0.53	-0.22	0.57	0.50
Other crops	4794.01	2.53	0.29	-2.14	1.68	-0.30	-2.16
Live cattle, sheep, goats, horses	7.12	0.36	3.06	3.13	0.50	3.24	3.30
Live pigs, poultry, other animals	504.04	18.65	81.63	83.84	57.04	85.20	86.81
Raw milk	0.38	0.00	1.23	1.23	0.00	1.23	1.23
Wool, silk-worm cocoons	35.59	-0.03	4.48	4.49	0.04	4.56	4.58
Meat beef, sheep, goat, horse	2157.17	506.97	623.01	954.41	2659.76	2743.80	3002.55
Meat pork, poultry, other	2042.97	415.53	507.15	584.96	727.82	804.99	858.55
Vegetable oils and fats	5328.74	-156.95	434.70	429.82	-167.10	423.96	420.00
Dairy products	22.34	3.39	12.53	12.53	10.15	12.54	12.54
Sugar	162.91	58.72	61.92	74.31	351.25	357.80	367.39
AGRICULTURE	21089.20	893.12	1915.64	2497.35	3785.27	4711.02	5193.64
Food, beverages, tobacco	3799.35	142.50	148.18	148.43	135.34	141.17	141.71
TOTAL AGRIFOOD	24888.54	1035.62	2063.83	2645.78	3920.61	4852.20	5335.35
Primary sectors (mining, wood)	4306.69	4.07	7.15	4.85	2.84	6.14	4.36
Fuel	965.69	1.41	1.12	0.79	1.28	1.02	0.77
Manufactures	22905.97	165.27	631.41	621.38	157.62	624.61	616.67
Trade services and communication	4056.58	1.16	1.14	-0.20	-0.31	-0.17	-1.22
Services	7367.68	4.79	2.75	0.29	3.03	1.24	-0.70
TOTAL	64491.15	1212.32	2707.39	3272.89	4085.07	5485.04	5955.23

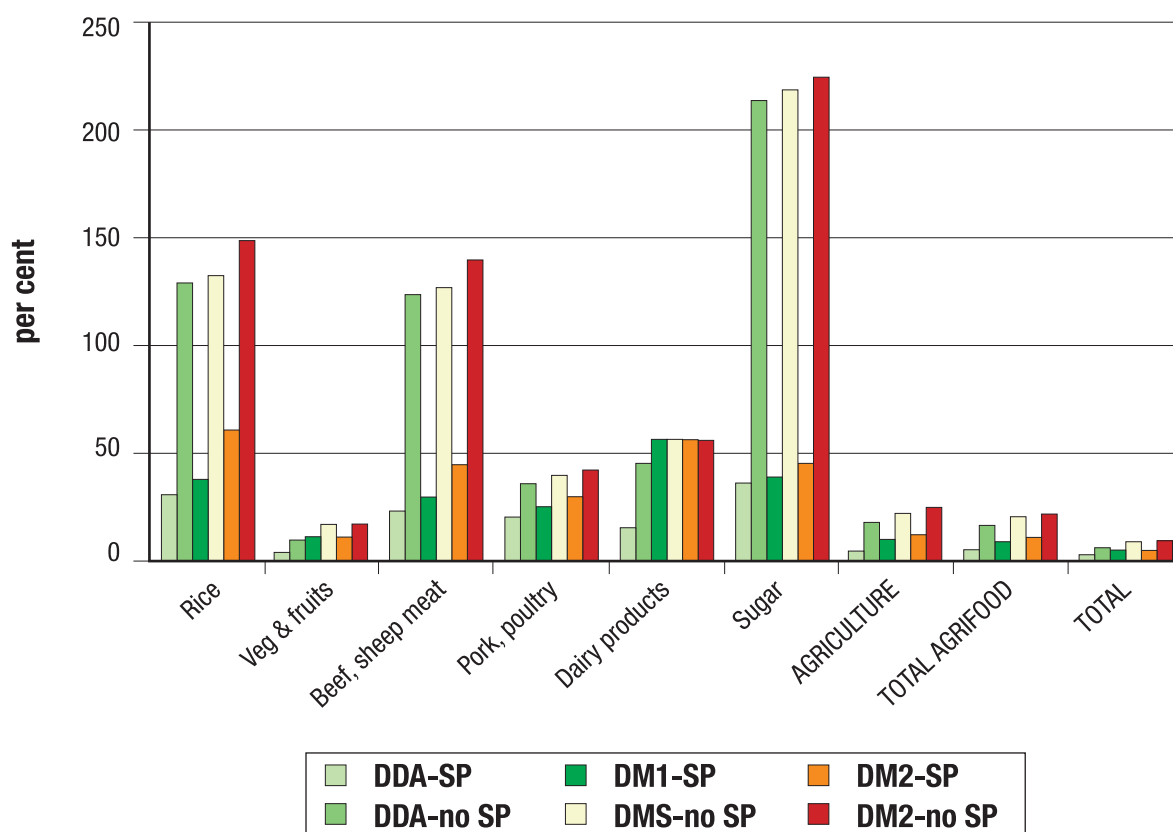
Source: GLOBE simulation results.

no special treatment for any developed country products, whereas the ‘with’ option allows additional protection without compensatory additional (controlled) market access. The negotiated outcome will lie somewhere within this range.

Table A3C.2 reports the EU’s imports from Mercosur under the two regimes, with and without sensitive products (SP). Where a difference exists between the two regimes for the same scenario, imports are always higher for the ‘without’ regime than for the ‘with’ regime. As already stated, the figures shown can be taken as the lower an upper limits to the difference from the reference scenario for any plausible negotiated agreement.

As already mentioned, in this study when no information on sensitive products is available, it is assumed that countries nominate the products with the highest tariffs for special treatment. This assumption is quite widespread in the literature, and usually produces results suggesting that allowing a small proportion of sensitive products has minor impact on the average tariff cut. However, Jean, Laborde and Martin (2010) have questioned the validity and realism of this approach. They point out that, for tariff lines with the highest bound tariffs, the applied rate may still be below the binding even after the full cut is applied; when this is the case, it would not be sensible to select these products for special treatment. Moreover, some of the highest tariffs can be observed on tariff lines of low importance. Instead, these authors consider that a product selection that minimizes the loss in tariff revenue may be more realistic.

Figure A3C.1: EU imports from Mercosur: Percentage difference from reference scenario with (SP) and without (no-SP) sensitive products



Source: GLOBE simulation results.

Their results show that when the G-20 tiered formula for tariff reductions is applied across all tariff lines, the EU's weighted-average applied tariff (of 13.4%) falls by 7.5%. When the products selected as sensitive are the 2% with the highest bound tariffs, or the highest applied tariffs, and only half the formula cut is applied to the tariffs of these products, the percentage cut in the EU's weighted-average applied tariff is 6.4% and 5.9%, respectively. However, when the 2% of products whose tariff cuts would produce the smallest loss in tariff revenue are selected, the EU's weighted-average applied tariff falls by only 4.4%, just 59% of the cut when the standard tiered formula is applied across the board. In the absence of any sensitivity analysis on the product selection used in the simulations presented in this paper, we report this result from the literature to suggest that what we have interpreted as an upper bound to the amount of protection that developed countries can retain by means of sensitive products may not in fact be so, if countries select their sensitive products according to a different criterion from the one we assume.

Figure A3C.1 shows how imports differ from the reference scenario in the three scenarios, depending on whether or not the 'sensitive product' provision is used. The products where the greatest effect of the sensitive product provision occurs are rice, beef and sheep meat, and sugar. Dairy products derive some extra protection in the DDA scenario, but under the two Mercosur scenarios, where a bilateral TRQ is in operation, this difference disappears.

Finally, Table A3C.3 shows how the fill rates of EU bilateral TRQs and out-of-quota imports from Mercosur of these products are affected, in each post-Doha scenario, depending on whether there is special treatment for sensitive products. The fill rates within each scenario are not affected, but out-of-quota imports are quite responsive to the presence or absence of special treatment for sensitive products, especially rice, beef and sugar.

Table A3C.3: TRQ fill rates and out-of-quota imports with and without sensitive products

Commodity Group	Scenario DDA						Scenario DM 1						Scenario DM 2					
	TRQ ceiling		with SP		without SP		TRQ ceiling		with SP		without SP		TRQ ceiling		with SP		without SP	
	000 tons	% of TRQ	Fill rate	Other imports*	% of TRQ	Other imports*	000 tons	% of TRQ	Fill rate	Other imports*	% of TRQ	Other imports*	000 tons	% of TRQ	Fill rate	Other imports*	% of TRQ	Other imports*
Rice							26.0	100	626.9	100	949.1	150.0	100	58.8	100	99.3		
Wheat							120.0	100	32	100	32	1000.0	23.6	0.00	23.6	0.00		
Other cereals							400.0	100	784.4	100	789.4	3500.0	100	37.3	100	37.8		
Vegetables, fruits*	19.1	**	**	**	**	**	25.1	**	**	**	**	39.1	**	**	**	**	**	**
Meat beef, sheep, goat, horse	74.8	100	697.8	100	1088.5	134.8	100	358.3	100	558.4	394.8	100	81.8	100	138.3			
Meat pork, poultry, other	180.9	100	295.9	100	330.2	231.9	100	222.6	100	247.4	450.9	100	73.9	100	84.3			
Dairy products							18.5	6.16	0	6.14	0	115.0	1.0	0	1.0	0		
Sugar	334.1	100	430.9	100	832.1	334.1	100	440.6	100	848.4	534.1	100	266.0	100	509.5			
Food, beverages, tobacco*	171.8	**	**	**	**	**	1171.8	**	**	**	**	1171.8	**	**	**	**	**	**

Source: GLOBE simulation results.

* May be imported under an erga omnes TRQ or out of quota at MFN rate.

** See the text in chapter 6.1.1 of volume 1 for an explanation of the missing information in these rows.

■ Annex 4: CAPRI simulation results, Scenarios 1 and 2

Additional tables and figures

Table A4.1: EU production value (at producer prices) (Scenarios 1 and 2)

	Base year 2004*	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
			<i>Difference from reference scenario</i>			
	Units	EUR million	EUR million		%	%
Cereals	28,739.3	39,798.9	231.5	107.6	0.6	0.3
Wheat	13,241.4	19,691.7	175.2	127.7	0.9	0.6
Rye and meslin	590.6	912.7	1.8	0.6	0.2	0.1
Barley	5,632.3	7,457.4	13.3	-13.5	0.2	-0.2
Oats	1,025.4	1,445.3	3.4	-1.4	0.2	-0.1
Grain maize	7,355.2	8,873.1	30.0	-10.5	0.3	-0.1
Other cereals	894.4	1,418.7	7.8	4.6	0.5	0.3
Oilseeds	4,316.0	9,243.2	-8.9	-12.3	-0.1	-0.1
Rape seed	2,806.6	6,501.2	2.2	-0.4	0.0	0.0
Sunflower seed	1,305.0	2,242.7	-12.2	-13.8	-0.5	-0.6
Soybeans	204.4	499.3	1.1	1.9	0.2	0.4
Other arable crops	7,783.7	9,103.4	-0.2	-8.6	0.0	-0.1
Pulses	725.8	751.3	0.6	-2.5	0.1	-0.3
Potatoes	7,057.9	8,352.1	-0.7	-6.0	0.0	-0.1
Veg & permanent crops	64,404.6	90,370.9	-1,025.9	-1,067.7	-1.1	-1.2
Tomatoes	5,971.0	9,588.9	5.6	2.3	0.1	0.0
Other vegetables	21,254.9	30,431.0	-253.1	-268.3	-0.8	-0.9
Table grapes	2,458.9	2,500.6	-64.0	-64.9	-2.6	-2.6
Citrus fruits	3,614.0	5,810.2	-291.9	-294.9	-5.0	-5.1
Other fruits	6,536.1	9,730.0	-397.8	-402.3	-4.1	-4.1
Meat	70,832.3	84,610.5	-132.6	-2,597.0	-0.2	-3.1
Beef	23,832.2	27,826.4	-44.4	-2,109.0	-0.2	-7.6
Pork	28,391.7	33,619.7	-4.4	-59.7	0.0	-0.2
Sheep and goat meat	5,272.9	5,120.7	-5.4	-32.4	-0.1	-0.6
Poultry meat	13,335.4	18,043.7	-78.4	-395.9	-0.4	-2.2
Dairy products	82,128.8	83,790.6	-24.7	-71.3	0.0	-0.1
Butter	5,964.4	5,091.8	-3.3	-43.6	-0.1	-0.9
Skimmed milk powder	2,185.9	1,593.7	-1.7	-7.6	-0.1	-0.5
Cheese	32,291.8	32,504.2	-16.5	-20.0	-0.1	-0.1
Fresh milk products	31,294.6	33,292.3	4.0	22.5	0.0	0.1
Cream	4,565.6	5,831.2	-6.2	-18.4	-0.1	-0.3
Concentrated milk	2,329.5	2,694.6	-1.7	-2.4	-0.1	-0.1
Whole milk powder	2,118.9	1,831.8	1.4	1.9	0.1	0.1
Casein	728.0	467.2	-0.5	-2.2	-0.1	-0.5
Whey powder	650.1	483.9	-0.2	-1.6	0.0	-0.3
Oils	11,489.6	21,189.3	-202.1	-221.2	-1.0	-1.0
Rapeseed oil	2,568.3	8,272.0	-44.4	-49.6	-0.5	-0.6
Sunflower seed oil	1,615.6	4,342.7	-113.2	-115.5	-2.6	-2.7
Soya oil	1,008.3	1,858.6	-43.8	-47.6	-2.4	-2.6
Olive oil	6,281.7	6,648.4	-0.5	-8.3	0.0	-0.1
Oil cakes	3,875.2	6,525.0	-10.1	-41.6	-0.2	-0.6
Rapeseed cake	915.1	2,312.9	2.1	-9.6	0.1	-0.4
Sunflower seed cake	351.7	703.1	-7.8	-10.9	-1.1	-1.5
Soya cake	2,608.4	3,509.0	-4.4	-21.2	-0.1	-0.6
Sugar	14,805.9	9,341.9	33.6	54.3	0.4	0.6

Source: CAPRI simulation results.

* Average of 2003, 2004 and 2005 for the countries of EU27.

Note: to save space, the table omits certain products that are represented in CAPRI but which had no change, or a very small change in production (< 1 thousand tons) under the scenarios, and for which trade with Mercosur is for the most part negligible. These products are table olives, flax & hemp, apples, pears and peaches, milled rice, ethanol and biodiesel.

Table A4.2: Mercosur production value (at producer prices) (Scenarios 1 and 2)

	Base year 20041	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	<i>Difference from reference scenario</i>					
	Units	EUR million	EUR million		%	%
Cereals	9,396.6	25,297.8	-346.7	-198.4	-1.4	-0.8
Wheat	2,700.7	4,658.8	-324.7	-336.9	-7.0	-7.2
Rye and meslin	6.6	21.9	-0.2	0.0	-0.9	0.1
Barley	155.7	331.6	-10.9	-9.3	-3.3	-2.8
Oats	119.5	221.6	-3.4	-1.8	-1.5	-0.8
Grain maize	5,830.5	19,011.0	-8.2	144.5	0.0	0.8
Other cereals	583.6	1,052.9	0.7	5.0	0.1	0.5
Oilseeds	19,103.8	76,932.0	42.3	68.0	0.1	0.1
Rape seed	24.8	40.5	-3.0	-3.1	-7.5	-7.6
Sunflower seed	1,812.4	2,302.6	124.8	123.5	5.4	5.4
Soybeans	17,266.6	74,588.9	-79.5	-52.5	-0.1	-0.1
Other arable crops	3,634.4	2,138.1	13.1	18.6	0.6	0.9
Pulses	1,994.3	3,490.6	-1.7	0.7	0.0	0.0
Potatoes	429.5	779.4	6.6	7.1	0.8	0.9
Veg & permanent crops	25,034.3	40,143.2	2,388.0	2,501.3	5.9	6.2
Tomatoes	1,021.2	1,845.5	-54.2	-52.7	-2.9	-2.9
Other vegetables	2,868.3	4,717.8	180.2	185.3	3.8	3.9
Apples, pears, peaches	1,569.4	2,644.5	22.9	25.9	0.9	1.0
Table grapes	4,294.6	5,497.1	327.9	326.7	6.0	5.9
Citrus fruits	7,527.1	14,478.2	1,443.0	1,530.9	10.0	10.6
Other fruits	7,687.5	10,874.3	468.8	485.7	4.3	4.5
Flax and hemp	2,080.8	2,426.6	-13.8	-15.3	-0.6	-0.6
Meat	26,692.9	63,245.2	152.7	1,478.1	0.2	2.3
Beef	13,501.7	35,662.5	26.8	785.5	0.1	2.2
Pork meat	2,908.9	7,070.0	21.0	61.2	0.3	0.9
Sheep and goat meat	441.1	746.3	3.3	5.1	0.4	0.7
Poultry meat	9,841.2	19,766.4	101.6	626.3	0.5	3.2
Eggs	3,634.4	2,138.1	13.1	18.6	0.6	0.9
Dairy products	3,934.9	6,380.5	5.7	33.7	0.1	0.5
Butter	157.0	220.4	-0.2	24.1	-0.1	10.9
Cheese	2,439.2	4,294.8	6.1	7.7	0.1	0.2
Concentrated milk	124.0	116.8	-1.2	-1.3	-1.0	-1.1
Whole milk powder	1,067.9	1,601.3	1.6	3.4	0.1	0.2
Whey powder	58.4	58.1	-0.3	-0.1	-0.6	-0.1
Oils	5,349.8	22,791.6	380.7	369.5	1.7	1.6
Rapeseed oil	20.5	46.6	0.6	0.5	1.2	1.2
Sunflower seed oil	1,743.8	4,598.5	290.0	285.7	6.3	6.2
Soya oil	3,485.4	17,754.4	90.3	84.1	0.5	0.5
Olive oil	35.0	66.2	-0.4	-0.7	-0.5	-1.1
Oil cakes	5,187.1	16,456.4	7.2	23.8	0.0	0.1
Rape seed cake	6.5	7.1	0.1	0.1	1.2	1.7
Sunflower seed cake	187.7	474.5	8.1	7.8	1.7	1.6
Soya cake	4,992.8	15,974.8	-1.0	15.9	0.0	0.1
Rice milled	1,950.7	4,051.8	-14.0	-16.4	-0.3	-0.4
Sugar	8,216.0	24,576.8	61.5	91.2	0.3	0.4

Source: CAPRI simulation results.

Table A4.3: EU beef production at NUTS 2 level (Scenarios 1 and 2)

NUTS2 regions	Production kg/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Friesland NL120000	5.52	5.51	5.28	-0.08	-4.24
Zuid-Holland NL330000	1.78	1.78	1.71	-0.06	-4.24
Utrecht NL310000	7.33	7.33	7.03	-0.07	-4.20
Notio aigalo EL420000	13.43	13.42	12.89	-0.09	-4.05
Noord-Holland NL320000	5.68	5.68	5.45	-0.04	-4.04
Sachsen DED00000	14.45	14.44	13.89	-0.07	-3.89
Friuli-Venezia Giulia IT330000	14.34	14.32	13.80	-0.09	-3.76
Sardegna ITB00000	77.22	77.16	74.33	-0.08	-3.75
Zeeland NL340000	1.70	1.70	1.63	-0.05	-3.71
Calabria IT930000	44.13	44.10	42.53	-0.07	-3.63
Piemonte IT110000	156.25	156.11	150.63	-0.09	-3.60
Sicilia ITA00000	58.07	58.04	55.98	-0.05	-3.59
Molise IT720000	42.46	42.43	40.95	-0.08	-3.55
Bratislavský SK010000	18.76	18.73	18.10	-0.17	-3.55
Mecklenburg-vorpommern DE800000	12.96	12.95	12.50	-0.06	-3.51
Nmanur BL350000	189.28	188.99	182.69	-0.15	-3.48
Alsace FR420000	13.35	13.34	12.88	-0.07	-3.47
Umbria IT520000	97.67	97.59	94.31	-0.07	-3.43
Basilicata IT920000	55.79	55.75	53.90	-0.07	-3.39
Lombardia IT200000	144.07	143.95	139.22	-0.08	-3.37
Trentino-Alto Adige IT310000	27.18	27.17	26.27	-0.04	-3.35
Západné Slovensko SK020000	5.61	5.60	5.42	-0.21	-3.35
Overijssel NL210000	23.36	23.35	22.59	-0.07	-3.32
Puglia IT910000	21.67	21.65	20.95	-0.06	-3.31
Antwerpen BL210000	117.05	116.93	113.25	-0.10	-3.24
Liege BL330000	121.89	121.72	117.96	-0.14	-3.23
Gelderland NL220000	41.27	41.25	39.94	-0.06	-3.23
Noord-Brabant NL410000	15.10	15.09	14.61	-0.05	-3.23
Limburg (B) BL220000	142.98	142.85	138.45	-0.09	-3.17
Pais vasco ES210000	128.85	128.71	124.76	-0.11	-3.17
Kriti EL430000	5.11	5.11	4.95	-0.07	-3.16
Slovak Republic SK000000	8.24	8.23	7.98	-0.18	-3.15
Severovýchod CZ050000	15.00	14.81	14.53	-1.26	-3.15
Marche IT530000	53.35	53.32	51.68	-0.07	-3.14
Hainaut BL320000	156.36	156.20	151.46	-0.10	-3.13
Emilia-Romagna IT400000	44.82	44.79	43.42	-0.05	-3.11
Moravskoslezsko CZ080000	20.05	19.80	19.42	-1.23	-3.11
Východné Slovensko SK040000	13.13	13.11	12.72	-0.16	-3.09
Brabant Wallon BL310000	100.06	99.94	97.01	-0.12	-3.05
Luxembourg (Grand-Duche) BL400000	113.45	113.30	110.01	-0.13	-3.03
Thuringen DEG00000	25.57	25.56	24.80	-0.06	-3.01
Sachsen-Anhalt DEE00000	9.45	9.44	9.17	-0.07	-3.00

NUTS2 regions	Production kg/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Asturias ES120000	173.70	173.54	168.53	-0.09	-2.97
Veneto IT320000	119.49	119.42	115.97	-0.06	-2.95
Jihozápad CZ030000	27.68	27.35	26.86	-1.18	-2.95
Voreio aigaio EL410000	14.49	14.48	14.06	-0.07	-2.94
Ile de france FR100000	1.09	1.09	1.06	-0.06	-2.91
Luxembourg (B) BL340000	354.04	353.56	343.80	-0.14	-2.89
Mazowieckie PL120000	12.91	12.87	12.54	-0.31	-2.89
Navarra ES220000	31.76	31.74	30.85	-0.08	-2.88
Lisboa PT170000	73.96	73.86	71.83	-0.13	-2.88
Giessen DE720000	51.24	51.21	49.77	-0.06	-2.87
Lazio IT600000	94.82	94.76	92.09	-0.06	-2.87
Ionia nisia EL220000	13.06	13.06	12.69	-0.06	-2.86
Galicia ES110000	103.78	103.71	100.81	-0.06	-2.86
Aragon ES240000	3.52	3.52	3.42	-0.05	-2.86
Drenthe NL130000	4.97	4.97	4.83	-0.05	-2.85
Vlaams Brabant BL240000	149.91	149.79	145.66	-0.08	-2.83
Dytiki makedonia EL130000	8.99	8.98	8.74	-0.05	-2.81
Languedoc-Roussillon FR810000	42.77	42.74	41.57	-0.06	-2.81
Dél-Dunántúl HU230000	1.85	1.84	1.79	-0.28	-2.78
Haute-Normandie FR230000	95.13	95.07	92.50	-0.06	-2.77
Oost-Vlaanderen BL230000	194.06	193.89	188.71	-0.09	-2.76
Picardie FR220000	36.91	36.88	35.89	-0.06	-2.76
Jihovýchod CZ060000	9.89	9.79	9.61	-1.02	-2.76
Slovenia SI000000	132.87	132.06	129.23	-0.61	-2.75
Weat-Vlaanderen BL250000	157.63	157.49	153.31	-0.09	-2.74
Bretagne FR520000	50.44	50.43	49.06	-0.02	-2.72
Bourgogne FR260000	117.72	117.64	114.53	-0.07	-2.71
Ahvenanmaa/Åland FI200000	24.63	24.62	23.96	-0.06	-2.71
Nyugat-Dunántúl HU220000	4.11	4.08	4.00	-0.59	-2.71
Stredné Slovensko SK030000	5.16	5.15	5.02	-0.20	-2.71
Champagne-Ardenne FR210000	57.85	57.81	56.29	-0.06	-2.69
Kentriki makedonia EL120000	27.02	27.02	26.30	-0.01	-2.67
Poitou-Charentes FR530000	60.20	60.17	58.59	-0.05	-2.67
Peloponnisos EL250000	8.71	8.70	8.48	-0.05	-2.66
Centre FR240000	42.75	42.73	41.61	-0.05	-2.66
Oberoesterreich AT310000	80.11	80.07	77.98	-0.05	-2.66
Dolnoslaskie PL510000	1.38	1.37	1.34	-0.33	-2.66
Niederösterreich AT120000	32.17	32.15	31.32	-0.06	-2.65
Kujawsko-Pomorskie PL610000	25.39	25.32	24.72	-0.27	-2.65
Anatoliki makedonia, Thraki EL110000	27.06	27.05	26.35	-0.05	-2.64
Rioja ES230000	38.44	38.42	37.43	-0.06	-2.64
Nord-Pas-De-Calais FR300000	75.56	75.51	73.56	-0.06	-2.64
Basse-Normandie FR250000	111.31	111.24	108.39	-0.06	-2.62

NUTS2 regions	Production kg/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Ipeiros EL210000	51.86	51.83	50.50	-0.06	-2.61
Malta MT000000	92.86	92.75	90.45	-0.12	-2.60
Andalucia ES610000	40.85	40.82	39.79	-0.06	-2.60
Toscana IT510000	38.94	38.92	37.93	-0.06	-2.60
Provence-Alpes-Cote d'Azur FR820000	18.27	18.26	17.80	-0.06	-2.59
Lorraine FR410000	102.15	102.09	99.52	-0.07	-2.58
Northern Ireland UKN00000	223.34	223.21	217.60	-0.06	-2.57
Sterea ellada EL240000	7.12	7.12	6.94	-0.06	-2.54
Attiki EL300000	4.38	4.38	4.27	-0.04	-2.54
Cantabria ES130000	142.17	142.06	138.56	-0.08	-2.54
Észak-Alföld HU320000	3.34	3.32	3.25	-0.49	-2.53
Cyprus CY000000	25.60	25.54	24.95	-0.22	-2.52
Dél-Alföld HU330000	1.86	1.85	1.81	-0.28	-2.51
Lubelskie PL310000	12.50	12.47	12.19	-0.29	-2.51
Freiburg DE130000	41.94	41.91	40.89	-0.06	-2.50
Thessalia EL140000	26.63	26.62	25.96	-0.04	-2.50
South East UKJ00000	57.93	57.90	56.48	-0.05	-2.50
Strední Morava CZ070000	4.70	4.68	4.59	-0.48	-2.50
Burgenland AT110000	13.70	13.70	13.36	-0.05	-2.49
Dytiki ellada EL230000	28.45	28.44	27.75	-0.06	-2.48
Extremadura ES430000	128.28	128.20	125.10	-0.06	-2.48
Campania IT800000	87.78	87.74	85.60	-0.04	-2.48
Norte PT110000	42.37	42.28	41.32	-0.21	-2.47
Cataluna ES510000	24.73	24.72	24.12	-0.02	-2.46
Közép-Dunántúl HU210000	4.32	4.30	4.22	-0.43	-2.46
Wales UKL00000	111.77	111.69	109.04	-0.07	-2.44
Aquitaine FR610000	96.01	95.96	93.68	-0.05	-2.43
Stuttgart DE110000	26.77	26.75	26.12	-0.06	-2.42
Castilla-Leon ES410000	93.29	93.22	91.03	-0.07	-2.42
Groningen NL110000	2.68	2.68	2.62	-0.05	-2.42
Castilla-la Mancha ES420000	11.91	11.91	11.63	-0.07	-2.41
Wielkopolskie PL410000	26.79	26.73	26.15	-0.23	-2.41
Yorkshire and The Humber UKE00000	71.52	71.48	69.80	-0.06	-2.40
East Midlands UKF00000	52.31	52.28	51.06	-0.06	-2.39
Rheinessen-Pfalz DEB30000	23.80	23.79	23.23	-0.05	-2.38
Centro PT160000	34.61	34.55	33.79	-0.18	-2.38
N. West (incl. Merseyside) UKD00000	84.63	84.57	82.62	-0.06	-2.37
South West UKK00000	106.37	106.31	103.85	-0.06	-2.37
Közép-Magyarország HU100000	3.07	3.06	3.00	-0.28	-2.37
Unterfranken DE260000	33.28	33.26	32.50	-0.06	-2.35
West Midlands UKG00000	96.94	96.88	94.67	-0.06	-2.34
Strední Cechy CZ020000	11.98	11.93	11.71	-0.40	-2.32
Opolskie PL520000	5.26	5.24	5.14	-0.31	-2.32

NUTS2 regions	Production kg/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Lubuskie PL430000	8.92	8.90	8.72	-0.23	-2.30
Valle d'Aosta IT120000	29.63	29.61	28.96	-0.07	-2.28
Severozápad CZ040000	21.75	21.60	21.26	-0.68	-2.27
Algarve PT150000	24.86	24.85	24.30	-0.03	-2.26
Alentejo PT180000	70.38	70.26	68.79	-0.17	-2.26
Sydsverige SE040000	48.40	48.38	47.31	-0.05	-2.26
Praha CZ010000	22.90	22.81	22.38	-0.41	-2.26
Franche-Comte FR430000	56.86	56.84	55.58	-0.04	-2.25
Rhone-Alpes FR710000	62.30	62.27	60.90	-0.05	-2.24
Észak-Magyarország HU310000	4.26	4.24	4.16	-0.50	-2.23
Podlaskie PL340000	23.90	23.83	23.37	-0.28	-2.23
Zachodniopomorskie PL420000	7.64	7.63	7.47	-0.19	-2.23
Acores PT200000	141.44	141.26	138.30	-0.13	-2.22
Eastern UKH00000	28.88	28.87	28.24	-0.05	-2.22
Norra mellansverige SE060000	54.20	54.17	53.01	-0.06	-2.21
Vorarlberg AT340000	56.33	56.30	55.09	-0.05	-2.20
Karlsruhe DE120000	66.42	66.38	64.96	-0.06	-2.19
Oberbayern DE210000	34.59	34.58	33.84	-0.06	-2.19
Yuzhen tsentralen BG050000	13.74	13.71	13.44	-0.25	-2.19
Västsverige SE0A0000	37.53	37.51	36.71	-0.06	-2.18
North East UKC00000	97.18	97.11	95.06	-0.07	-2.18
Scotland UKM00000	68.59	68.55	67.11	-0.06	-2.17
Severen tsentralen BG020000	15.33	15.29	14.99	-0.23	-2.17
Yugoiztochen BG060000	14.59	14.56	14.28	-0.23	-2.16
Midi-Pyrenees FR620000	94.08	94.03	92.06	-0.05	-2.15
Limburg (NL) NL420000	4.52	4.52	4.43	-0.04	-2.15
Border, Midlands and Western IR010000	229.45	229.36	224.55	-0.04	-2.14
Lódzkie PL110000	19.10	19.05	18.69	-0.23	-2.13
Trier DEB20000	75.88	75.84	74.27	-0.06	-2.12
Abruzzo IT710000	47.16	47.14	46.17	-0.05	-2.11
Stockholm SE010000	4.63	4.62	4.53	-0.06	-2.11
Tirol AT330000	56.93	56.90	55.73	-0.05	-2.10
Pomorskie PL630000	10.07	10.05	9.86	-0.21	-2.10
Yugozapaden BG040000	15.34	15.31	15.02	-0.23	-2.10
Steiermark AT220000	100.21	100.17	98.12	-0.04	-2.08
Östra mellansverige SE020000	24.02	24.00	23.52	-0.05	-2.08
Warminsko-Mazurskie PL620000	11.25	11.22	11.01	-0.25	-2.07
Tuebingen DE140000	36.26	36.24	35.51	-0.05	-2.06
Saarland DEC00000	105.60	105.55	103.43	-0.05	-2.05
Severozapaden BG010000	9.87	9.84	9.66	-0.25	-2.05
Darmstadt DE710000	66.37	66.33	65.02	-0.05	-2.04
Oberpfalz DE230000	51.76	51.73	50.71	-0.05	-2.02
Koeln DEA20000	43.17	43.15	42.31	-0.05	-2.00

NUTS2 regions	Production kg/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Småland med öarna SE090000	72.59	72.55	71.14	-0.06	-2.00
Salzburg AT320000	82.19	82.15	80.56	-0.05	-1.98
Severoiztochen BG030000	16.03	15.99	15.71	-0.20	-1.98
Southern and Eastern IR020000	223.94	223.84	219.52	-0.05	-1.97
Etelae-Suomi FI180000	16.43	16.43	16.11	-0.05	-1.96
Hannover DE920000	51.65	51.62	50.64	-0.05	-1.95
Pohjois-Suomi FI1A0000	39.14	39.11	38.38	-0.07	-1.93
Braunschweig DE910000	44.48	44.46	43.64	-0.06	-1.90
Swietokrzyskie PL330000	12.20	12.17	11.97	-0.24	-1.90
Mittelfranken DE250000	70.44	70.40	69.11	-0.05	-1.89
Detmold DEA40000	55.64	55.61	54.59	-0.05	-1.89
Arnsberg DEA50000	30.05	30.04	29.49	-0.05	-1.88
Mellersta norrland SE070000	40.21	40.19	39.45	-0.06	-1.88
Auvergne FR720000	149.15	149.11	146.40	-0.03	-1.84
Pays de la Loire FR510000	130.52	130.50	128.14	-0.02	-1.83
Liguria IT130000	105.96	105.93	104.03	-0.02	-1.82
Comunidad de Madrid ES300000	31.01	30.99	30.45	-0.05	-1.80
Malopolskie PL210000	18.43	18.40	18.10	-0.19	-1.80
Duesseldorf DEA10000	64.81	64.78	63.67	-0.05	-1.77
Lueneburg DE930000	28.77	28.76	28.27	-0.04	-1.75
Övre norrland SE080000	27.23	27.21	26.75	-0.05	-1.75
Podkarpackie PL320000	5.54	5.53	5.45	-0.21	-1.75
Comunidad Valenciana ES520000	21.55	21.59	21.18	0.15	-1.74
Niederbayern DE220000	67.69	67.65	66.52	-0.05	-1.73
Murcia ES620000	6.43	6.43	6.31	0.04	-1.72
Canarias ES700000	9.87	9.88	9.71	0.03	-1.66
Kaernten AT210000	120.68	120.65	118.70	-0.02	-1.64
Madeira PT300000	243.69	243.53	239.72	-0.07	-1.63
Laensi-Suomi FI190000	45.48	45.46	44.73	-0.05	-1.63
Baleares ES530000	8.93	8.93	8.79	0.01	-1.59
Brandenburg DE400000	17.59	17.58	17.31	-0.05	-1.58
Slaskie PL220000	13.29	13.26	13.08	-0.18	-1.55
Oberfranken DE240000	25.84	25.82	25.45	-0.05	-1.51
Muenster DEA30000	136.02	135.96	134.05	-0.05	-1.45
Itae-Suomi FI130000	62.27	62.24	61.37	-0.04	-1.44
Schwaben DE270000	26.27	26.26	25.89	-0.05	-1.43
Weser-Ems DE940000	66.38	66.35	65.44	-0.04	-1.41
Limousin FR630000	263.24	263.18	259.61	-0.02	-1.38
Kassel DE730000	23.52	23.51	23.20	-0.06	-1.37
Estonia EE000000	7.33	7.29	7.23	-0.54	-1.36
Koblenz DEB10000	22.44	22.43	22.14	-0.05	-1.31
Schleswig-Holstein DEF00000	50.63	50.61	49.99	-0.04	-1.28
Bucuresti RO080000	20.01	19.97	19.77	-0.22	-1.21

NUTS2 regions	Production kg/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Lithuania LT000000	4.53	4.51	4.48	-0.35	-1.13
Sud-Vest R0040000	13.99	13.96	13.83	-0.16	-1.12
Sud-Est R0020000	12.18	12.15	12.04	-0.17	-1.10
Vest R0050000	10.20	10.19	10.10	-0.16	-1.06
Corse FR830000	111.69	111.68	110.52	-0.01	-1.04
Nord-Est R0010000	18.80	18.77	18.61	-0.18	-1.03
Nord-Vest R0060000	10.10	10.08	9.99	-0.18	-1.02
Centru R0070000	17.66	17.63	17.48	-0.17	-0.99
Sud R0030000	11.13	11.11	11.02	-0.17	-0.98
Latvia LV000000	7.92	7.86	7.87	-0.73	-0.61
Denmark DK000000	33.39	33.37	33.32	-0.05	-0.21

Source: CAPRI simulation results.

Table A4.4: EU beef revenue at NUTS 2 level (Scenarios 1 and 2)

NUTS2 regions	Production in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Friesland NL120000	24.21	24.17	21.84	-0.15	-9.79
Utrecht NL310000	32.24	32.19	29.10	-0.15	-9.75
Zuid-Holland NL330000	7.92	7.91	7.15	-0.13	-9.72
Noord-Holland NL320000	13.82	13.80	12.51	-0.11	-9.44
Zeeland NL340000	7.58	7.57	6.88	-0.13	-9.20
Sardegna ITB00000	180.68	180.41	164.07	-0.15	-9.19
Notio aigaio EL420000	33.66	33.61	30.57	-0.14	-9.17
Sicilia ITA00000	112.08	111.96	101.82	-0.11	-9.16
Sachsen DED00000	21.34	21.31	19.39	-0.11	-9.11
Mecklenburg-vorpommern DE800000	18.16	18.14	16.52	-0.11	-9.03
Friuli-Venezia Giulia IT330000	36.74	36.68	33.44	-0.15	-8.99
Calabria IT930000	126.01	125.83	114.79	-0.14	-8.90
Noord-Brabant NL410000	66.10	66.01	60.25	-0.13	-8.85
Piemonte IT110000	456.23	455.52	415.97	-0.16	-8.82
Alsace FR420000	63.14	63.04	57.58	-0.15	-8.81
Molise IT720000	126.09	125.90	115.04	-0.15	-8.77
Antwerpen BL210000	385.62	384.96	351.82	-0.17	-8.76
Nmanur BL350000	519.90	518.84	474.35	-0.20	-8.76
Umbria IT520000	228.96	228.65	208.91	-0.14	-8.76
Galicia ES110000	106.61	106.49	97.30	-0.11	-8.73
Lombardia IT200000	532.61	531.81	486.09	-0.15	-8.73
Basilicata IT920000	160.55	160.33	146.57	-0.14	-8.71
Overijssel NL210000	74.77	74.67	68.27	-0.14	-8.68
Trentino-Alto Adige IT310000	79.48	79.39	72.60	-0.11	-8.66
Gelderland NL220000	105.98	105.85	96.80	-0.12	-8.66
Liege BL330000	369.29	368.60	337.49	-0.19	-8.61
Puglia IT910000	74.12	74.02	67.76	-0.13	-8.58
Luxembourg (Grand-Duche) BL400000	275.00	274.48	251.53	-0.19	-8.53
Pais vasco ES210000	232.09	231.73	212.31	-0.15	-8.52
Limburg (B) BL220000	432.32	431.67	395.66	-0.15	-8.48
Asturias ES120000	239.90	239.57	219.58	-0.14	-8.47
Hainaut BL320000	440.71	440.01	403.41	-0.16	-8.46
Marche IT530000	191.61	191.35	175.42	-0.14	-8.45
Drenthe NL130000	21.95	21.92	20.09	-0.13	-8.45
Lisboa PT170000	333.95	333.30	305.96	-0.19	-8.38
Luxembourg (B) BL340000	878.20	876.53	804.71	-0.19	-8.37
Veneto IT320000	466.59	465.96	427.59	-0.14	-8.36
Ile de france FR100000	5.11	5.11	4.69	-0.14	-8.35
Brabant Wallon BL310000	307.34	306.80	281.72	-0.17	-8.34
Emilia-Romagna IT400000	151.47	151.29	138.84	-0.12	-8.34
Weat-Vlaanderen BL250000	410.34	409.75	376.18	-0.15	-8.33
Cantabria ES130000	196.53	196.27	180.16	-0.13	-8.33

NUTS2 regions	Production in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Dytiki makedonia EL130000	45.21	45.16	41.45	-0.12	-8.32
Attiki EL300000	25.12	25.10	23.04	-0.11	-8.31
Navarra ES220000	55.45	55.38	50.85	-0.13	-8.31
Cataluna ES510000	28.06	28.04	25.74	-0.07	-8.29
Ionia nisia EL220000	44.59	44.53	40.90	-0.13	-8.27
Oost-Vlaanderen BL230000	566.20	565.35	519.65	-0.15	-8.22
Lazio IT600000	329.84	329.42	302.76	-0.13	-8.21
Rioja ES230000	67.71	67.63	62.16	-0.11	-8.19
Kriti EL430000	10.32	10.31	9.48	-0.12	-8.18
Bretagne FR520000	157.29	157.14	144.44	-0.09	-8.17
Haute-Normandie FR230000	354.13	353.65	325.30	-0.14	-8.14
Vlaams Brabant BL240000	447.06	446.41	410.72	-0.14	-8.13
Toscana IT510000	167.97	167.74	154.33	-0.14	-8.12
Ahvenanmaa/Åland FI200000	48.40	48.34	44.48	-0.12	-8.11
Picardie FR220000	124.01	123.85	113.98	-0.13	-8.09
Aragon ES240000	10.07	10.06	9.26	-0.12	-8.07
Campania IT800000	375.16	374.72	344.92	-0.12	-8.06
Groningen NL110000	11.81	11.79	10.85	-0.13	-8.06
Voreio aigaio EL410000	36.48	36.43	33.54	-0.12	-8.05
Languedoc-Roussillon FR810000	96.28	96.17	88.53	-0.12	-8.05
Andalucia ES610000	97.91	97.79	90.05	-0.12	-8.03
Basse-Normandie FR250000	403.74	403.21	371.36	-0.13	-8.02
Thuringen DEG00000	51.90	51.83	47.74	-0.12	-8.01
Champagne-Ardenne FR210000	206.50	206.23	190.00	-0.13	-7.99
Nord-Pas-De-Calais FR300000	265.56	265.23	244.34	-0.13	-7.99
Norte PT110000	107.62	107.39	99.03	-0.22	-7.99
Northern Ireland UKN00000	506.26	505.62	465.86	-0.12	-7.98
Extremadura ES430000	223.41	223.14	205.67	-0.12	-7.94
Yorkshire and The Humber UKE00000	170.07	169.87	156.57	-0.12	-7.94
Giessen DE720000	111.96	111.82	103.08	-0.13	-7.93
Lorraine FR410000	360.06	359.57	331.57	-0.14	-7.91
Oberoesterreich AT310000	237.60	237.31	218.80	-0.12	-7.91
Peloponnisos EL250000	22.00	21.98	20.26	-0.11	-7.90
Castilla-la Mancha ES420000	40.77	40.71	37.55	-0.14	-7.90
Niederösterreich AT120000	98.52	98.39	90.73	-0.13	-7.90
Bourgogne FR260000	278.41	278.06	256.44	-0.13	-7.89
Centro PT160000	108.84	108.64	100.27	-0.19	-7.88
Ipeiros EL210000	124.55	124.41	114.75	-0.11	-7.87
Provence-Alpes-Cote d'Azur FR820000	49.13	49.07	45.27	-0.12	-7.86
Limburg (NL) NL420000	19.76	19.74	18.21	-0.11	-7.86
Centre FR240000	106.21	106.09	97.88	-0.11	-7.85
Algarve PT150000	116.42	116.29	107.28	-0.11	-7.85
Acores PT200000	483.83	483.05	445.85	-0.16	-7.85

NUTS2 regions	Production in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
South East UKJ00000	149.13	148.96	137.45	-0.12	-7.84
Wales UKL00000	265.94	265.59	245.09	-0.13	-7.84
Anatoliki makedonia, Thraki EL110000	71.30	71.22	65.72	-0.11	-7.82
Castilla-Leon ES410000	203.16	202.89	187.28	-0.13	-7.82
Poitou-Charentes FR530000	161.62	161.44	148.99	-0.11	-7.82
Burgenland AT110000	41.76	41.71	38.49	-0.12	-7.81
East Midlands UKF00000	127.40	127.25	117.49	-0.12	-7.78
South West UKK00000	264.93	264.60	244.32	-0.12	-7.78
Stereia ellada EL240000	21.69	21.66	20.00	-0.11	-7.77
N. West (incl. Merseyside) UKD00000	249.27	248.94	229.90	-0.13	-7.77
Dytiki ellada EL230000	80.29	80.20	74.08	-0.11	-7.74
West Midlands UKG00000	256.75	256.43	236.91	-0.12	-7.73
Valle d'Aosta IT120000	84.61	84.49	78.08	-0.14	-7.72
Bratislavský SK010000	69.97	69.79	64.56	-0.26	-7.72
Kentriki makedonia EL120000	57.01	56.98	52.61	-0.06	-7.71
Sachsen-Anhalt DEE00000	18.75	18.73	17.31	-0.13	-7.69
Aquitaine FR610000	214.80	214.57	198.28	-0.10	-7.69
Eastern UKH00000	75.77	75.68	69.95	-0.12	-7.68
Franche-Comte FR430000	190.09	189.87	175.51	-0.12	-7.67
Vorarlberg AT340000	159.88	159.68	147.67	-0.12	-7.64
Alentejo PT180000	145.50	145.21	134.39	-0.20	-7.64
Scotland UKM00000	145.90	145.72	134.80	-0.12	-7.61
Border, Midlands and Western IRO10000	486.86	486.31	449.93	-0.11	-7.59
North East UKC00000	220.26	219.97	203.54	-0.13	-7.59
Rhone-Alpes FR710000	169.39	169.21	156.55	-0.11	-7.58
Freiburg DE130000	87.23	87.12	80.62	-0.12	-7.57
Thessalia EL140000	60.18	60.12	55.62	-0.09	-7.57
Tirol AT330000	155.70	155.51	143.96	-0.12	-7.54
Abruzzo IT710000	152.66	152.48	141.18	-0.12	-7.52
Murcia ES620000	23.80	23.79	22.01	-0.04	-7.51
Unterfranken DE260000	85.01	84.91	78.65	-0.12	-7.49
Comunidad de Madrid ES300000	117.63	117.47	108.86	-0.13	-7.46
Liguria IT130000	230.56	230.35	213.37	-0.09	-7.46
Západné Slovensko SK020000	21.10	21.04	19.53	-0.30	-7.46
Oberbayern DE210000	98.56	98.44	91.24	-0.13	-7.43
Steiermark AT220000	285.72	285.41	264.51	-0.11	-7.42
Salzburg AT320000	229.80	229.53	212.80	-0.12	-7.40
Canarias ES700000	37.02	37.00	34.28	-0.05	-7.39
Stuttgart DE110000	54.67	54.61	50.64	-0.12	-7.38
Rheinessen-Pfalz DEB30000	47.38	47.33	43.89	-0.11	-7.37
Midi-Pyrenees FR620000	214.16	213.94	198.38	-0.11	-7.37
Pays de la Loire FR510000	378.23	377.89	350.51	-0.09	-7.33
Pohjois-Suomi FI1A0000	103.63	103.49	96.04	-0.14	-7.33

NUTS2 regions	Production in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Slovak Republic SK000000	27.06	26.99	25.08	-0.26	-7.32
Stockholm SE010000	17.08	17.06	15.83	-0.13	-7.31
Baleares ES530000	33.63	33.61	31.18	-0.07	-7.30
Southern and Eastern IR020000	535.51	534.90	496.43	-0.11	-7.30
Karlsruhe DE120000	161.67	161.47	149.90	-0.12	-7.28
Madeira PT300000	900.37	899.38	834.95	-0.11	-7.27
Trier DEB20000	172.46	172.25	159.93	-0.12	-7.26
Východné Slovensko SK040000	42.30	42.20	39.23	-0.23	-7.26
Etelae-Suomi FI180000	36.96	36.92	34.29	-0.11	-7.22
Oberpfalz DE230000	130.83	130.67	121.41	-0.12	-7.20
Comunidad Valenciana ES520000	53.95	53.99	50.06	0.08	-7.20
Östra mellansverige SE020000	77.37	77.28	71.80	-0.12	-7.20
Tuebingen DE140000	91.61	91.50	85.04	-0.12	-7.18
Västsverige SE0A0000	114.01	113.87	105.83	-0.13	-7.18
Auvergne FR720000	334.29	334.01	310.33	-0.09	-7.17
Arnsberg DEA50000	92.11	92.00	85.53	-0.12	-7.15
Mittelfranken DE250000	189.55	189.31	176.02	-0.12	-7.14
Norra mellansverige SE060000	153.59	153.40	142.62	-0.12	-7.14
Hannover DE920000	138.15	137.99	128.32	-0.12	-7.12
Darmstadt DE710000	166.82	166.62	154.95	-0.12	-7.11
Saarland DEC00000	243.95	243.67	226.60	-0.11	-7.11
Sydsverige SE040000	126.21	126.07	117.23	-0.11	-7.11
Braunschweig DE910000	120.88	120.73	112.33	-0.13	-7.07
Koeln DEA20000	105.85	105.72	98.39	-0.12	-7.05
Kaernten AT210000	283.60	283.35	263.61	-0.09	-7.05
Detmold DEA40000	144.27	144.10	134.11	-0.12	-7.04
Laensi-Suomi FI190000	113.62	113.48	105.62	-0.12	-7.04
Lueneburg DE930000	88.37	88.27	82.17	-0.11	-7.02
Småland med öarna SE090000	217.83	217.56	202.59	-0.12	-6.99
Mazowieckie PL120000	31.67	31.54	29.46	-0.41	-6.99
Niederbayern DE220000	184.10	183.88	171.25	-0.12	-6.98
Övre norrland SE080000	100.30	100.18	93.30	-0.12	-6.98
Malta MT000000	369.42	368.69	343.66	-0.20	-6.97
Dél-Dunántúl HU230000	5.82	5.80	5.42	-0.38	-6.95
Duesseldorf DEA10000	171.87	171.66	159.94	-0.12	-6.94
Itae-Suomi FI130000	144.07	143.91	134.07	-0.11	-6.94
Cyprus CY000000	95.55	95.25	88.93	-0.32	-6.93
Oberfranken DE240000	78.05	77.95	72.67	-0.12	-6.89
Mellersta norrland SE070000	114.94	114.81	107.06	-0.12	-6.86
Muenster DEA30000	381.46	381.00	355.32	-0.12	-6.85
Brandenburg DE400000	54.22	54.15	50.51	-0.12	-6.84
Schwaben DE270000	79.31	79.21	73.90	-0.12	-6.82
Kujawsko-Pomorskie PL610000	61.42	61.19	57.23	-0.37	-6.82

NUTS2 regions	Production in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Limousin FR630000	603.94	603.44	562.83	-0.08	-6.81
Weser-Ems DE940000	183.16	182.95	170.73	-0.12	-6.79
Severovýchod CZ050000	19.09	18.87	17.80	-1.16	-6.79
Dolnoslaskie PL510000	3.37	3.36	3.14	-0.43	-6.78
Moravskoslezsko CZ080000	23.23	22.96	21.66	-1.17	-6.74
Slovenia SI000000	297.67	295.94	277.66	-0.58	-6.72
Severozapaden BG010000	33.98	33.73	31.70	-0.75	-6.72
Dél-Alföld HU330000	5.85	5.82	5.45	-0.38	-6.71
Jihozápad CZ030000	39.57	39.15	36.92	-1.06	-6.70
Kassel DE730000	71.93	71.84	67.13	-0.13	-6.68
Stredné Slovensko SK030000	11.71	11.68	10.93	-0.28	-6.67
Koblenz DEB10000	68.38	68.29	63.83	-0.13	-6.65
Strední Morava CZ070000	10.61	10.55	9.91	-0.59	-6.65
Schleswig-Holstein DEF00000	154.15	153.97	143.92	-0.12	-6.64
Lubelskie PL310000	30.76	30.64	28.72	-0.39	-6.62
Corse FR830000	237.27	237.10	221.60	-0.07	-6.60
Jihovýchod CZ060000	14.61	14.48	13.65	-0.90	-6.60
Wielkopolskie PL410000	65.27	65.06	60.99	-0.33	-6.56
Nyugat-Dunántúl HU220000	8.76	8.71	8.19	-0.57	-6.51
Severen tsentralen BG020000	42.07	41.78	39.34	-0.69	-6.50
Strední Čechy CZ020000	26.97	26.83	25.22	-0.50	-6.49
Közép-Magyarország HU100000	8.83	8.80	8.25	-0.35	-6.49
Opolskie PL520000	12.80	12.75	11.97	-0.41	-6.48
Praha CZ010000	51.49	51.22	48.17	-0.53	-6.44
Yugozapaden BG040000	40.18	39.91	37.60	-0.68	-6.44
Yuzhen tsentralen BG050000	36.57	36.32	34.22	-0.70	-6.43
Yugoiztochen BG060000	39.30	39.04	36.78	-0.68	-6.43
Lubuskie PL430000	21.98	21.91	20.57	-0.32	-6.41
Észak-Alföld HU320000	7.50	7.47	7.03	-0.50	-6.37
Podlaskie PL340000	58.57	58.35	54.84	-0.38	-6.36
Zachodniopomorskie PL420000	18.83	18.77	17.63	-0.29	-6.35
Közép-Dunántúl HU210000	9.24	9.20	8.66	-0.45	-6.32
Severoiztochen BG030000	43.39	43.10	40.65	-0.66	-6.31
Lódzkie PL110000	46.84	46.69	43.91	-0.33	-6.26
Pomorskie PL630000	24.65	24.57	23.11	-0.31	-6.24
Severozápad CZ040000	36.27	36.02	34.02	-0.68	-6.20
Warminsko-Mazurskie PL620000	25.67	25.58	24.08	-0.33	-6.20
Swietokrzyskie PL330000	27.90	27.81	26.22	-0.33	-6.03
Malopolskie PL210000	44.62	44.50	41.95	-0.29	-5.99
Podkarpackie PL320000	13.52	13.48	12.72	-0.31	-5.92
Bucuresti R0080000	47.81	47.47	45.02	-0.71	-5.85
Slaskie PL220000	31.96	31.87	30.11	-0.28	-5.79
Nord-Est R0010000	44.87	44.57	42.33	-0.67	-5.67

NUTS2 regions	Production in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Nord-Vest R0060000	24.25	24.09	22.88	-0.67	-5.64
Sud-Est R0020000	28.50	28.32	26.90	-0.65	-5.62
Sud R0030000	26.65	26.47	25.15	-0.66	-5.62
Centru R0070000	42.15	41.87	39.78	-0.66	-5.61
Denmark DK000000	69.25	69.17	65.41	-0.11	-5.55
Vest R0050000	23.33	23.18	22.04	-0.63	-5.55
Észak-Magyarország HU310000	6.41	6.37	6.06	-0.56	-5.54
Estonia EE000000	11.92	11.85	11.26	-0.64	-5.53
Sud-Vest R0040000	31.47	31.27	29.73	-0.63	-5.53

Source: CAPRI simulation.

Table A4.5: EU agricultural revenue at NUTS 2 level (Scenarios 1 and 2)

NUTS2 regions	Agricultural revenue in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Luxembourg (B) BL340000	3,632.32	3,629.18	3,496.09	-0.09	-3.75
Limousin FR630000	1,782.07	1,777.69	1,716.16	-0.25	-3.70
Border, Midlands & Western IR010000	1,929.95	1,928.12	1,861.77	-0.09	-3.53
Salzburg AT320000	1,076.20	1,074.79	1,042.80	-0.13	-3.10
Southern and Eastern IR020000	2,585.58	2,583.18	2,510.69	-0.09	-2.90
Scotland UKM00000	871.02	870.27	846.96	-0.09	-2.76
Auvergne FR720000	1,701.17	1,699.82	1,655.06	-0.08	-2.71
Vorarlberg AT340000	1,236.93	1,235.15	1,203.73	-0.14	-2.68
North East UKC00000	1,235.21	1,233.95	1,202.22	-0.10	-2.67
Comunidad Valenciana ES520000	4,100.63	4,007.29	3,992.16	-2.28	-2.65
Nmanur BL350000	3,603.63	3,599.54	3,510.72	-0.11	-2.58
Corse FR830000	937.66	937.10	913.44	-0.06	-2.58
Asturias ES120000	1,393.82	1,391.75	1,358.37	-0.15	-2.54
Lorraine FR410000	2,038.58	2,035.98	1,987.31	-0.13	-2.52
Kaernten AT210000	1,507.20	1,506.01	1,469.85	-0.08	-2.48
Northern Ireland UKN00000	3,254.82	3,249.55	3,174.35	-0.16	-2.47
Tirol AT330000	1,138.22	1,137.65	1,110.58	-0.05	-2.43
Pais vasco ES210000	1,330.70	1,328.72	1,298.64	-0.15	-2.41
Wales UKL00000	2,002.08	2,000.33	1,954.64	-0.09	-2.37
Basse-Normandie FR250000	2,961.63	2,957.08	2,892.41	-0.15	-2.34
Canarias ES700000	59,426.25	58,159.91	58,091.44	-2.13	-2.25
Algarve PT150000	2,655.86	2,616.13	2,596.85	-1.50	-2.22
Bourgogne FR260000	1,846.45	1,844.63	1,806.14	-0.10	-2.18
Acores PT200000	6,765.16	6,699.98	6,619.08	-0.96	-2.16
Luxembourg (Grand-Duche) BL400000	3,514.16	3,500.61	3,438.71	-0.39	-2.15
Sardegna ITB00000	1,469.54	1,466.02	1,438.00	-0.24	-2.15
Franche-Comte FR430000	2,006.73	2,005.18	1,965.13	-0.08	-2.07
Norra mellansverige SE060000	1,099.59	1,098.51	1,077.70	-0.10	-1.99
Haute-Normandie FR230000	2,804.84	2,799.75	2,749.97	-0.18	-1.96
Steiermark AT220000	2,887.54	2,870.45	2,831.00	-0.59	-1.96
Piemonte IT110000	3,268.57	3,266.58	3,204.82	-0.06	-1.95
West Midlands UKG00000	3,108.59	3,096.43	3,048.19	-0.39	-1.94
South West UKK00000	2,734.76	2,729.75	2,681.84	-0.18	-1.94
Basilicata IT920000	1,850.46	1,842.44	1,814.83	-0.43	-1.93
Madeira PT300000	33,848.32	33,330.25	33,203.38	-1.53	-1.91
Extremadura ES430000	1,531.80	1,527.28	1,502.70	-0.30	-1.90
Cantabria ES130000	2,124.48	2,123.30	2,085.61	-0.06	-1.83
Oberoesterreich AT310000	2,583.94	2,580.49	2,537.50	-0.13	-1.80
Alentejo PT180000	1,400.42	1,396.99	1,375.41	-0.25	-1.79
Castilla-Leon ES410000	1,446.56	1,444.36	1,420.91	-0.15	-1.77
N. West (incl. Merseyside) UKD00000	3,180.89	3,178.21	3,124.71	-0.08	-1.77
Campania IT800000	4,614.71	4,588.34	4,533.81	-0.57	-1.75

NUTS2 regions	Agricultural revenue in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Pays de la loire FR510000	3,608.10	3,600.92	3,545.34	-0.20	-1.74
Midi-Pyrenees FR620000	2,159.58	2,152.20	2,122.01	-0.34	-1.74
Liguria IT130000	2,181.90	2,177.19	2,143.96	-0.22	-1.74
Lazio IT600000	3,295.50	3,284.04	3,238.61	-0.35	-1.73
Valle d'Aosta IT120000	3,958.80	3,952.32	3,890.75	-0.16	-1.72
Marche IT530000	2,278.97	2,270.53	2,240.02	-0.37	-1.71
Hainaut BL320000	5,756.28	5,746.62	5,660.29	-0.17	-1.67
South East UKJ00000	2,665.63	2,652.68	2,621.36	-0.49	-1.66
Rhone-Alpes FR710000	3,225.39	3,204.72	3,173.27	-0.64	-1.62
Molise IT720000	2,395.33	2,390.37	2,357.23	-0.21	-1.59
Antwerpen BL210000	10,792.35	10,778.21	10,622.28	-0.13	-1.58
Umbria IT520000	2,646.06	2,639.88	2,604.35	-0.23	-1.58
Veneto IT320000	5,642.10	5,625.31	5,553.80	-0.30	-1.57
Mellersta norrland SE070000	1,384.84	1,383.18	1,363.28	-0.12	-1.56
Galicia ES110000	2,128.42	2,123.30	2,095.56	-0.24	-1.54
Emilia-Romagna IT400000	8,132.58	8,056.50	8,007.97	-0.94	-1.53
Saarland DEC00000	2,362.24	2,358.90	2,326.30	-0.14	-1.52
Vlaams Brabant BL240000	7,569.48	7,542.19	7,456.86	-0.36	-1.49
Baleares ES530000	1,016.31	1,008.09	1,001.30	-0.81	-1.48
Overijssel NL210000	9,947.78	9,942.79	9,800.49	-0.05	-1.48
Liege BL330000	6,694.08	6,685.00	6,595.35	-0.14	-1.47
Friesland NL120000	8,556.25	8,550.41	8,430.71	-0.07	-1.47
Yorkshire and The Humber UKE00000	2,506.28	2,503.20	2,469.95	-0.12	-1.45
Sicilia ITA00000	3,568.33	3,539.59	3,516.87	-0.81	-1.44
Nord-Pas-De-Calais FR300000	3,631.90	3,628.28	3,579.97	-0.10	-1.43
Attiki EL300000	1,373.98	1,360.69	1,354.55	-0.97	-1.41
Murcia ES620000	3,734.02	3,691.95	3,681.26	-1.13	-1.41
Champagne-Ardenne FR210000	2,212.77	2,210.87	2,182.05	-0.09	-1.39
Lombardia IT200000	7,748.99	7,736.58	7,641.38	-0.16	-1.39
Lisboa PT170000	4,583.25	4,570.00	4,520.84	-0.29	-1.36
Toscana IT510000	2,558.67	2,551.19	2,524.09	-0.29	-1.35
Östra mellansverige SE020000	1,179.32	1,178.15	1,163.35	-0.10	-1.35
East Midlands UKF00000	2,643.76	2,638.99	2,608.31	-0.18	-1.34
Oost-Vlaanderen BL230000	9,658.09	9,647.06	9,529.51	-0.11	-1.33
Kentriki makedonia EL120000	3,232.08	3,201.54	3,189.22	-0.95	-1.33
Pohjois-Suomi FI1A0000	1,717.48	1,715.94	1,694.64	-0.09	-1.33
Brabant Wallon BL310000	5,406.75	5,395.94	5,335.37	-0.20	-1.32
Peloponnisos EL250000	1,510.36	1,496.33	1,490.47	-0.93	-1.32
Comunidad de Madrid ES300000	1,710.26	1,704.00	1,687.78	-0.37	-1.31
Trentino-Alto Adige IT310000	3,015.14	3,004.53	2,975.83	-0.35	-1.30
Ahvenanmaa/Åland FI200000	733.71	733.11	724.15	-0.08	-1.30
Slovenia SI000000	2,588.67	2,587.49	2,555.21	-0.05	-1.29
Andalucia ES610000	1,812.91	1,804.68	1,789.49	-0.45	-1.29

NUTS2 regions	Agricultural revenue in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Limburg (B) BL220000	13,133.46	13,072.21	12,965.95	-0.47	-1.28
Cataluna ES510000	3,378.54	3,356.81	3,335.63	-0.64	-1.27
Centro PT160000	2,500.76	2,490.40	2,469.05	-0.41	-1.27
Mittelfranken DE250000	3,013.74	3,012.15	2,975.85	-0.05	-1.26
Rioja ES230000	1,380.80	1,374.62	1,363.38	-0.45	-1.26
Aquitaine FR610000	3,914.29	3,898.59	3,865.06	-0.40	-1.26
Puglia IT910000	3,080.23	3,060.82	3,041.64	-0.63	-1.25
Småland med öarna SE090000	2,720.83	2,719.39	2,686.82	-0.05	-1.25
Utrecht NL310000	14,048.94	14,028.19	13,874.51	-0.15	-1.24
Stockholm SE010000	803.83	803.13	793.86	-0.09	-1.24
Centre FR240000	1,919.01	1,915.38	1,895.64	-0.19	-1.22
Calabria IT930000	3,452.19	3,434.62	3,410.09	-0.51	-1.22
Gelderland NL220000	15,445.12	15,425.67	15,256.73	-0.13	-1.22
Karlsruhe DE120000	2,304.66	2,301.55	2,276.80	-0.13	-1.21
Oberpfalz DE230000	2,905.30	2,903.66	2,870.60	-0.06	-1.19
Poitou-Charentes FR530000	2,649.52	2,646.07	2,617.98	-0.13	-1.19
Bretagne FR520000	5,243.41	5,237.72	5,181.90	-0.11	-1.17
Itäe-Suomi FI130000	2,534.10	2,531.85	2,504.38	-0.09	-1.17
Övre norrland SE080000	1,586.02	1,583.45	1,567.39	-0.16	-1.17
Ipeiros EL210000	2,886.15	2,876.55	2,852.61	-0.33	-1.16
Niederösterreich AT120000	2,327.15	2,323.25	2,300.15	-0.17	-1.16
Dytiki makedonia EL130000	1,571.91	1,564.35	1,553.81	-0.48	-1.15
Laensi-Suomi FI190000	1,808.79	1,807.58	1,788.01	-0.07	-1.15
Darmstadt DE710000	2,711.29	2,708.41	2,680.26	-0.11	-1.14
Navarra ES220000	1,443.20	1,440.24	1,427.00	-0.20	-1.12
Sydsverige SE040000	2,020.44	2,017.14	1,997.83	-0.16	-1.12
Picardie FR220000	2,686.89	2,683.64	2,657.13	-0.12	-1.11
Eteläe-Suomi FI180000	1,583.55	1,579.17	1,565.91	-0.28	-1.11
Giessen DE720000	2,583.28	2,581.76	2,555.23	-0.06	-1.09
Abruzzo IT710000	3,255.82	3,248.16	3,220.95	-0.24	-1.07
Västverige SE0A0000	2,242.47	2,240.82	2,218.48	-0.07	-1.07
Eastern UKH00000	2,841.52	2,835.30	2,811.12	-0.22	-1.07
Alsace FR420000	2,632.74	2,629.17	2,604.99	-0.14	-1.05
Weat-Vlaanderen BL250000	12,632.12	12,617.03	12,502.54	-0.12	-1.03
Yugozapaden BG040000	796.21	794.80	788.12	-0.18	-1.02
Norte PT110000	2,714.65	2,710.13	2,687.46	-0.17	-1.00
Niederbayern DE220000	3,460.10	3,457.55	3,425.87	-0.07	-0.99
Notio aigaio EL420000	1,026.44	1,024.37	1,016.23	-0.20	-0.99
Oberfranken DE240000	3,086.67	3,082.18	3,056.32	-0.15	-0.98
Schwaben DE270000	3,791.99	3,790.51	3,754.76	-0.04	-0.98
Cyprus CY000000	5,386.80	5,363.31	5,334.97	-0.44	-0.96
Brandenburg DE400000	2,499.87	2,495.23	2,475.75	-0.19	-0.96
Severen tsentralen BG020000	741.20	739.91	734.10	-0.17	-0.96

NUTS2 regions	Agricultural revenue in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Freiburg DE130000	3,385.00	3,374.46	3,352.76	-0.31	-0.95
Schleswig-Holstein DEF00000	3,919.54	3,917.48	3,882.43	-0.05	-0.95
Drenthe NL130000	8,579.14	8,572.11	8,497.35	-0.08	-0.95
Severozapaden BG010000	935.52	933.96	926.68	-0.17	-0.95
Friuli-Venezia Giulia IT330000	3,481.46	3,477.00	3,449.04	-0.13	-0.93
Thuringen DEG00000	2,416.29	2,413.78	2,394.66	-0.10	-0.90
Oberbayern DE210000	4,271.57	4,269.12	4,233.62	-0.06	-0.89
Braunschweig DE910000	2,379.43	2,378.32	2,358.21	-0.05	-0.89
Hannover DE920000	3,500.40	3,497.46	3,469.18	-0.08	-0.89
Dytiki ellada EL230000	2,063.75	2,058.61	2,045.64	-0.25	-0.88
Groningen NL110000	9,431.78	9,422.76	9,348.96	-0.10	-0.88
Yugoiztochen BG060000	819.68	818.36	812.50	-0.16	-0.88
Castilla-la Mancha ES420000	1,631.50	1,627.51	1,617.36	-0.24	-0.87
Weser-Ems DE940000	6,427.08	6,422.86	6,371.53	-0.07	-0.86
Unterfranken DE260000	2,816.45	2,812.02	2,792.56	-0.16	-0.85
Sachsen DED00000	2,693.27	2,689.35	2,670.35	-0.15	-0.85
Koeln DEA20000	3,844.31	3,840.75	3,811.97	-0.09	-0.84
Trier DEB20000	3,734.09	3,732.80	3,702.84	-0.03	-0.84
Voreio aigaio EL410000	1,057.80	1,055.86	1,048.87	-0.18	-0.84
Severoiztochen BG030000	1,062.52	1,060.91	1,053.56	-0.15	-0.84
Tuebingen DE140000	3,982.77	3,973.96	3,949.64	-0.22	-0.83
Aragon ES240000	1,769.28	1,763.06	1,754.87	-0.35	-0.81
Yuzhen tsentralen BG050000	1,007.92	1,006.47	999.77	-0.14	-0.81
Lueneburg DE930000	5,225.23	5,218.10	5,183.97	-0.14	-0.79
Muenster DEA30000	5,548.48	5,546.89	5,504.76	-0.03	-0.79
Sachsen-Anhalt DEE00000	2,390.96	2,387.84	2,371.96	-0.13	-0.79
Stuttgart DE110000	3,202.05	3,198.07	3,177.09	-0.12	-0.78
Ionia nisia EL220000	1,699.91	1,695.16	1,687.03	-0.28	-0.76
Mecklenburg-vorpommern DE800000	2,476.51	2,473.85	2,457.93	-0.11	-0.75
Anatoliki makedonia, Thraki EL110000	2,298.77	2,293.05	2,281.48	-0.25	-0.75
Zuid-Holland NL330000	12,492.55	12,475.37	12,401.35	-0.14	-0.73
Duesseldorf DEA10000	5,675.12	5,669.76	5,634.04	-0.09	-0.72
Ile de france FR100000	1,781.02	1,777.84	1,768.24	-0.18	-0.72
Kassel DE730000	3,373.20	3,371.26	3,349.10	-0.06	-0.71
Thessalia EL140000	3,222.48	3,210.28	3,199.82	-0.38	-0.70
Detmold DEA40000	3,896.82	3,894.89	3,869.84	-0.05	-0.69
Stereia ellada EL240000	1,881.25	1,874.62	1,868.54	-0.35	-0.68
Burgenland AT110000	2,214.47	2,211.95	2,199.35	-0.11	-0.68
Kriti EL430000	1,970.64	1,964.55	1,957.46	-0.31	-0.67
Nord-Est R0010000	1,530.22	1,528.46	1,519.98	-0.11	-0.67
Bucuresti R0080000	1,860.42	1,857.58	1,847.91	-0.15	-0.67
Arnsberg DEA50000	4,278.02	4,276.75	4,250.22	-0.03	-0.65
Denmark DK000000	4,024.89	4,023.41	3,999.25	-0.04	-0.64

NUTS2 regions	Agricultural revenue in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Sud R0030000	1,374.54	1,372.73	1,365.79	-0.13	-0.64
Podlaskie PL340000	1,384.17	1,386.36	1,375.58	0.16	-0.62
Východné Slovensko SK040000	713.88	715.74	709.44	0.26	-0.62
Vest R0050000	1,216.91	1,215.26	1,209.39	-0.14	-0.62
Noord-Holland NL320000	14,696.53	14,670.32	14,606.35	-0.18	-0.61
Sud-Vest R0040000	1,339.08	1,337.33	1,330.89	-0.13	-0.61
Malta MT000000	15,955.09	15,944.73	15,859.72	-0.06	-0.60
Noord-Brabant NL410000	22,055.79	22,038.65	21,922.88	-0.08	-0.60
Mazowieckie PL120000	1,326.89	1,326.87	1,318.90	0.00	-0.60
Centru R0070000	1,482.61	1,481.21	1,473.76	-0.09	-0.60
Lódzkie PL110000	1,381.65	1,382.33	1,373.48	0.05	-0.59
Sud-Est R0020000	1,428.71	1,427.12	1,420.58	-0.11	-0.57
Nord-Vest R0060000	1,439.38	1,437.80	1,431.20	-0.11	-0.57
Rheinhessen-Pfalz DEB30000	5,367.92	5,355.96	5,338.47	-0.22	-0.55
Languedoc-Roussillon FR810000	3,949.87	3,947.95	3,929.75	-0.05	-0.51
Bratislavský SK010000	1,156.14	1,160.06	1,150.42	0.34	-0.50
Stredné Slovensko SK030000	762.73	764.64	758.94	0.25	-0.50
Limburg (NL) NL420000	22,057.67	22,032.73	21,954.98	-0.11	-0.47
Provence-Alpes-Cote d'Azur FR820000	3,385.00	3,383.06	3,369.46	-0.06	-0.46
Flevoland NL230000	20,363.01	20,325.04	20,274.19	-0.19	-0.44
Koblenz DEB10000	8,015.78	8,012.83	7,981.56	-0.04	-0.43
Wielkopolskie PL410000	1,685.37	1,689.70	1,678.83	0.26	-0.39
Zeeland NL340000	20,030.54	19,987.80	19,954.98	-0.21	-0.38
Malopolskie PL210000	1,119.66	1,122.37	1,115.40	0.24	-0.38
Swietokrzyskie PL330000	1,184.32	1,186.28	1,179.90	0.17	-0.37
Slaskie PL220000	1,312.83	1,317.20	1,308.75	0.33	-0.31
Slovak Republic SK000000	1,026.88	1,030.86	1,023.96	0.39	-0.29
Kujawsko-Pomorskie PL610000	1,495.44	1,501.53	1,492.14	0.41	-0.22
Lubelskie PL310000	1,113.60	1,118.24	1,112.23	0.42	-0.12
Podkarpackie PL320000	950.50	954.64	949.59	0.44	-0.10
Západné Slovensko SK020000	1,375.87	1,382.45	1,374.73	0.48	-0.08
Közép-Magyarország HU100000	1,300.05	1,305.00	1,299.47	0.38	-0.04
Lubuskie PL430000	1,049.19	1,055.60	1,048.84	0.61	-0.03
Közép-Dunántúl HU210000	1,360.33	1,366.27	1,360.07	0.44	-0.02
Jihovýchod CZ060000	1,445.78	1,451.48	1,445.57	0.39	-0.01
Nyugat-Dunántúl HU220000	1,258.62	1,264.04	1,258.45	0.43	-0.01
Észak-Alföld HU320000	1,386.97	1,393.47	1,387.89	0.47	0.07
Jihozápad CZ030000	1,200.43	1,208.66	1,201.43	0.69	0.08
Warminsko-Mazurskie PL620000	998.33	1,004.96	999.09	0.66	0.08
Pomorskie PL630000	1,187.16	1,194.27	1,188.32	0.60	0.10
Dél-Alföld HU330000	1,452.66	1,460.98	1,454.96	0.57	0.16
Moravskoslezsko CZ080000	1,218.50	1,226.58	1,220.61	0.66	0.17
Dél-Dunántúl HU230000	1,332.27	1,340.06	1,334.50	0.59	0.17

NUTS2 regions	Agricultural revenue in euros/ha UAA			Percentage change	
	Reference	Scenario 1	Scenario 2	Scenario 1	Scenario 2
Estonia EE000000	800.34	805.36	801.80	0.63	0.18
Opolskie PL520000	1,424.50	1,433.36	1,427.00	0.62	0.18
Észak-Magyarország HU310000	1,099.02	1,105.02	1,101.23	0.55	0.20
Severovýchod CZ050000	1,277.28	1,286.76	1,280.50	0.74	0.25
Střední Morava CZ070000	1,351.19	1,360.48	1,354.73	0.69	0.26
Lithuania LT000000	886.03	892.00	888.39	0.67	0.27
Latvia LV000000	593.81	598.65	595.40	0.82	0.27
Zachodniopomorskie PL420000	1,082.84	1,091.47	1,086.10	0.80	0.30
Střední Čechy CZ020000	1,247.05	1,257.09	1,251.14	0.81	0.33
Dolnośląskie PL510000	1,086.69	1,095.23	1,091.04	0.79	0.40
Praha CZ010000	1,205.52	1,217.08	1,210.92	0.96	0.45

Source: CAPRI simulation results.

Table A4.6: Total EU exports (Scenarios 1 and 2)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	Units	Difference from reference scenario			
	1000 tons	1000 tons	1000 tons	%	%
Cereals	28,033.2	1,331.8	1,507.9	4.8	5.4
Wheat	23,251.5	1,286.2	1,417.2	5.5	6.1
Rye and meslin	360.7	-0.3	0.3	-0.1	0.1
Barley	3,471.0	51.4	82.0	1.5	2.4
Oats	515.4	-1.3	5.2	-0.3	1.0
Grain maize	222.9	-2.0	4.3	-0.9	2.0
Other cereals	211.7	-2.3	-1.2	-1.1	-0.6
Oilseeds	1,406.2	7.7	8.8	0.5	0.6
Rape seed	392.5	3.1	3.6	0.8	0.9
Sunflower seed	716.8	3.4	3.5	0.5	0.5
Soybeans	296.9	1.2	1.7	0.4	0.6
Other arable crops	1,255.3	17.1	30.4	1.4	2.4
Pulses	969.6	19.3	30.6	2.0	3.2
Potatoes	285.7	-2.1	-0.2	-0.7	-0.1
Veg & permanent crops	3,351.4	100.3	105.8	3.0	3.2
Tomatoes	232.1	63.9	64.4	27.5	27.8
Other vegetables	534.4	2.9	2.9	0.5	0.5
Apples, pears, peaches	1,296.5	4.6	9.5	0.4	0.7
Table grapes	52.7	6.7	6.7	12.7	12.7
Citrus fruits	95.8	5.5	5.2	5.7	5.4
Other fruits	140.9	12.0	12.2	8.5	8.7
Table olives	130.2	2.8	2.9	2.2	2.2
Wine	868.8	2.0	2.1	0.2	0.2
Flax and hemp	57.7	3.7	3.7	6.4	6.5
Meat	2,835.6	8.9	125.8	0.3	4.4
Beef	180.7	1.2	82.8	0.6	45.8
Pork	2,297.0	1.1	8.1	0.0	0.4
Sheep and goat meat	25.9	0.0	0.3	0.0	1.0
Poultry meat	331.9	6.7	34.7	2.0	10.5
Dairy products	2,447.3	1.1	-3.7	0.0	-0.2
Butter	18.1	0.0	0.2	-0.2	1.3
Cheese	444.0	-0.4	-0.5	-0.1	-0.1
Concentrated milk	216.4	0.5	0.5	0.2	0.2
Whole milk powder	332.7	0.9	1.1	0.3	0.3
Oils	660.7	10.3	11.2	1.6	1.7
Rape seed oil	529.9	7.1	7.4	1.3	1.4
Sunflower seed oil	93.4	2.1	2.0	2.2	2.1
Soya oil	5.5	1.1	1.1	20.4	20.3
Olive oil	31.9	0.1	0.8	0.2	2.5
Oil cakes	5,632.7	1.1	4.1	0.0	0.1
Rape seed cake	3,544.6	1.7	2.6	0.0	0.1
Sunflower seed cake	659.7	-0.4	1.7	-0.1	0.3
Soya cake	1,428.4	-0.2	-0.3	0.0	0.0
Rice milled	56.1	0.3	0.8	0.6	1.5
Sugar	237.5	0.8	1.3	0.3	0.6

Source: CAPRI simulation results.

Table A4.7: Total EU imports (Scenarios 1 and 2)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	Units	Difference from reference scenario			
	1000 tons	1000 tons	1000 tons	%	%
Cereals	3,960.6	23.3	-21.8	0.6	-0.5
Wheat	710.1	-0.9	-7.4	-0.1	-1.0
Rye and meslin	263.8	1.8	-2.6	0.7	-1.0
Barley	44.4	2.7	2.3	6.1	5.2
Oats	17.4	1.2	1.2	7.1	7.1
Grain maize	866.7	8.8	-2.4	1.0	-0.3
Other cereals	2,058.1	9.7	-13.0	0.5	-0.6
Oilseeds	19,057.8	-81.6	-130.7	-0.4	-0.7
Rape seed	5,156.5	3.4	-3.7	0.1	-0.1
Sunflower seed	1,396.3	-57.2	-57.5	-4.1	-4.1
Soybeans	12,505.0	-27.8	-69.4	-0.2	-0.6
Other arable crops	3,319.9	14.4	-2.7	0.4	-0.1
Pulses	1,240.9	1.6	-16.1	0.1	-1.3
Potatoes	2,079.1	12.8	13.4	0.6	0.6
Veg & permanent crops	17,320.7	766.7	782.0	4.4	4.5
Tomatoes	275.4	5.7	5.5	2.1	2.0
Other vegetables	1,912.9	150.6	149.8	7.9	7.8
Apples, pears, peaches	2,938.6	-48.9	-59.8	-1.7	-2.0
Table grapes	887.1	32.1	29.6	3.6	3.3
Citrus fruits	9,690.5	400.7	435.0	4.1	4.5
Other fruits	1,481.4	225.9	221.5	15.2	15.0
Table olives	130.6	0.8	0.6	0.6	0.4
Flax and hemp	842.3	0.4	0.4	0.1	0.0
Meat	885.0	59.8	503.3	6.8	56.9
Beef	347.3	5.1	244.7	1.5	70.5
Pork	15.4	8.0	11.9	52.1	77.7
Sheep and goat meat	242.0	0.0	-6.5	0.0	-2.7
Poultry meat	280.4	46.6	253.2	16.6	90.3
Dairy products	395.6	-0.1	9.8	0.0	2.5
Butter	181.6	-0.2	9.6	-0.1	5.3
Cheese	11.9	0.0	0.0	-0.2	-0.1
Concentrated milk	1.1	0.0	0.0	0.0	0.0
Whole milk powder	7.5	0.0	0.0	-0.1	0.1
Oils	9,432.9	151.7	145.2	1.6	1.5
Rape seed oil	170.0	-4.4	-4.7	-2.6	-2.7
Sunflower seed oil	1,097.9	139.7	137.6	12.7	12.5
Soya oil	250.6	54.8	54.1	21.9	21.6
Olive oil	296.8	0.1	-0.6	0.0	-0.2
Oil cakes	22,135.6	3.7	-318.5	0.0	-1.4
Rape seed cake	44.5	0.1	-0.7	0.2	-1.6
Sunflower seed cake	682.1	29.3	10.8	4.3	1.6
Soya cake	21,409.0	-25.7	-328.5	-0.1	-1.5
Rice milled	1,653	0	-3	0.0	-0.2
Sugar	3,792	-19	-42	-0.5	-1.1

Source: CAPRI simulation results.

Table A4.8: Total exports Mercosur (Scenarios 1 and 2)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	Units	Difference from reference scenario			
	1000 tons	1000 tons	1000 tons	%	%
Cereals	15,459.1	696.6	394.1	4.5	2.5
Wheat	2,005.7	574.0	560.0	28.6	27.9
Rye and meslin	26.2	1.5	1.3	5.8	4.8
Barley	288.2	26.3	23.3	9.1	8.1
Grain maize	11,747.3	63.7	-200.8	0.5	-1.7
Other cereals	1,391.8	31.1	10.2	2.2	0.7
Oilseeds	77,305.5	-293.1	-434.5	-0.4	-0.6
Rape seed	1.9	0.1	0.0	4.2	2.1
Sunflower seed	532.1	-49.6	-51.1	-9.3	-9.6
Soybeans	76,771.5	-243.6	-383.4	-0.3	-0.5
Other arable crops	26.0	-1.0	-1.3	-3.7	-5.0
Pulses	12.8	0.2	0.0	1.3	-0.2
Potatoes	13.2	-1.1	-1.3	-8.5	-9.7
Veg & permanent crops	5,234.0	2,126.1	2,174.8	40.6	41.6
Tomatoes	2.3	3.4	3.4	151.6	150.2
Other vegetables	355.1	168.1	167.4	47.3	47.1
Table grapes	325.4	101.8	99.9	31.3	30.7
Citrus fruits	4,369.3	1,486.2	1,540.6	34.0	35.3
Other fruits	182.0	366.5	363.4	201.4	199.7
Flax and hemp	1,500.5	-10.5	-12.2	-0.7	-0.8
Meat	2,092.0	22.5	355.2	1.1	17.0
Beef	940.8	-2.8	171.4	-0.3	18.2
Pork	250.3	2.7	-0.8	1.1	-0.3
Sheep and goat meat	3.4	-0.3	-0.5	-8.5	-14.4
Poultry meat	897.5	22.9	185.1	2.5	20.6
Dairy products	384.5	-6.7	4.1	-1.7	1.1
Butter	22.1	-0.3	11.2	-1.3	50.8
Cheese	231.8	-4.3	-4.5	-1.8	-1.9
Concentrated milk	20.5	1.1	1.0	5.3	4.8
Whole milk powder	98.0	-3.0	-3.3	-3.1	-3.4
Oils	12,377.4	123.7	124.5	1.0	1.0
Sunflower seed oil	1,380.7	132.6	130.5	9.6	9.4
Soya oil	10,975.8	-8.7	-5.8	-0.1	-0.1
Olive oil	20.8	-0.1	-0.2	-0.7	-0.9
Oil cakes	47,563.5	3.5	-270.3	0.0	-0.6
Rape seed cake	1.7	0.0	-0.1	1.8	-5.8
Sunflower seed cake	1,924.8	65.8	54.7	3.4	2.8
Soya cake	45,637.0	-62.4	-324.9	-0.1	-0.7
Rice milled	489.9	13.9	11.6	2.8	2.4
Sugar	42,109.8	-116.5	-180.2	-0.3	-0.4

Source: CAPRI simulation results.

Table A4.9: Total imports Mercosur (Scenarios 1 and 2)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	Units	Difference from reference scenario			
	1000 tons	1000 tons	1000 tons	%	%
Cereals	15,459.1	696.6	394.1	4.5	2.5
Wheat	2,005.7	574.0	560.0	28.6	27.9
Rye and meslin	26.2	1.5	1.3	5.8	4.8
Barley	288.2	26.3	23.3	9.1	8.1
Grain maize	11,747.3	63.7	-200.8	0.5	-1.7
Other cereals	1,391.8	31.1	10.2	2.2	0.7
Oilseeds	77,305.5	-293.1	-434.5	-0.4	-0.6
Rape seed	1.9	0.1	0.0	4.2	2.1
Sunflower seed	532.1	-49.6	-51.1	-9.3	-9.6
Soybeans	76,771.5	-243.6	-383.4	-0.3	-0.5
Other arable crops	26.0	-1.0	-1.3	-3.7	-5.0
Pulses	12.8	0.2	0.0	1.3	-0.2
Potatoes	13.2	-1.1	-1.3	-8.5	-9.7
Veg & permanent crops	5,234.0	2,126.1	2,174.8	40.6	41.6
Tomatoes	2.3	3.4	3.4	151.6	150.2
Other vegetables	355.1	168.1	167.4	47.3	47.1
Table grapes	325.4	101.8	99.9	31.3	30.7
Citrus fruits	4,369.3	1,486.2	1,540.6	34.0	35.3
Other fruits	182.0	366.5	363.4	201.4	199.7
Flax and hemp	1,500.5	-10.5	-12.2	-0.7	-0.8
Meat	2,092.0	22.5	355.2	1.1	17.0
Beef	940.8	-2.8	171.4	-0.3	18.2
Pork	250.3	2.7	-0.8	1.1	-0.3
Sheep and goat meat	3.4	-0.3	-0.5	-8.5	-14.4
Poultry meat	897.5	22.9	185.1	2.5	20.6
Dairy products	384.5	-6.7	4.1	-1.7	1.1
Butter	22.1	-0.3	11.2	-1.3	50.8
Cheese	231.8	-4.3	-4.5	-1.8	-1.9
Concentrated milk	20.5	1.1	1.0	5.3	4.8
Whole milk powder	98.0	-3.0	-3.3	-3.1	-3.4
Oils	12,377.4	123.7	124.5	1.0	1.0
Sunflower seed oil	1,380.7	132.6	130.5	9.6	9.4
Soya oil	10,975.8	-8.7	-5.8	-0.1	-0.1
Olive oil	20.8	-0.1	-0.2	-0.7	-0.9
Oil cakes	47,563.5	3.5	-270.3	0.0	-0.6
Rape seed cake	1.7	0.0	-0.1	1.8	-5.8
Sunflower seed cake	1,924.8	65.8	54.7	3.4	2.8
Soya cake	45,637.0	-62.4	-324.9	-0.1	-0.7
Rice milled	489.9	13.9	11.6	2.8	2.4
Sugar	42109.8	-116.5	-180.2	-0.3	-0.4

Source: CAPRI simulation results.

Table A4.10: Value of EU exports to Mercosur (at producer prices)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2	
	Units	EUR mn	Difference from reference scenario			
		EUR million	EUR million	%	%	
Cereals		604.9	293.0	297.6	48.4	49.2
Wheat		564.7	286.4	289.7	50.7	51.3
Barley		40.3	6.6	7.9	16.4	19.6
Maize, other cereals		0.0	0.0	0.0	0.0	0.0
Oilseeds		6.1	0.7	0.7	11.0	11.4
Rape seed		6.1	0.7	0.7	11.0	11.4
Sunflower seed		0.0	0.0	0.0	0.0	0.0
Soybeans		0.0	0.0	0.0	0.0	0.0
Other arable crops		5.2	9.7	10.5	185.4	200.3
Pulses		5.1	9.6	10.1	187.8	196.0
Potatoes		0.1	0.0	0.4	45.2	453.2
Veg. & permanent crops		498.8	-7.9	-6.8	-1.6	-1.4
Tomatoes		35.9	60.2	61.3	167.5	170.6
Other vegetables		1.8	0.2	0.2	9.0	9.3
Table grapes		0.0	0.0	0.0	0.0	0.0
Citrus fruits		0.1	0.3	0.3	474.9	475.9
Other fruits		2.6	1.0	1.1	39.6	40.2
Table olives		2.9	2.4	2.4	82.0	82.7
Flax and hemp		2.6	3.6	3.6	138.1	138.4
Meat		1.0	0.0	0.5	4.3	45.9
Beef		0.0	0.0	0.0	0.0	0.0
Pork		1.0	0.0	0.5	4.3	45.9
Sheep and goat meat		0.0	0.0	0.0	0.0	0.0
Poultry meat		0.0	0.0	0.0	0.0	0.0
Dairy products		17.6	2.8	3.4	15.7	19.3
Butter		0.0	0.0	0.0	27.4	273.8
Skimmed milk powder		0.0	0.0	0.0	0.0	0.0
Cheese		0.6	0.1	0.5	13.7	85.0
Concentrated milk		1.1	2.8	2.8	259.4	260.6
Whole milk powder		0.4	0.0	0.0	4.5	5.5
Whey powder		15.5	-0.1	0.1	-0.8	0.5
Oils		1.0	0.2	1.1	15.7	107.7
Olive oil		1.0	0.2	1.1	15.7	107.7
Oil cakes		0.0	0.0	0.0	0.0	0.0
Milled rice		0.1	-0.1	-0.1	-85.9	-85.7
Sugar		0.0	0.0	0.0	0.0	0.0

Source: CAPRI simulation results.

Table A4.11: Value of EU imports from Mercosur (at producer prices)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	Units	EUR mn	Difference from reference scenario		
		EUR million		%	%
Cereals	6.3	0.4	0.2	6.8	3.0
Wheat	0.5	0.2	0.2	42.9	41.2
Barley	0.1	0.0	0.0	50.0	42.3
Grain maize	1.3	0.0	0.0	2.3	-3.0
Other cereals	4.4	0.1	0.0	2.9	-0.6
Oilseeds	2,867.7	-29.1	-39.4	-1.0	-1.4
Rape seed	0.0	0.0	0.0	46.7	45.8
Sunflower seed	165.8	-20.0	-20.7	-12.1	-12.5
Soybeans	2,701.9	-9.1	-18.7	-0.3	-0.7
Other arable crops	0.5	0.2	0.2	44.4	38.5
Pulses	0.5	0.2	0.2	44.4	38.5
Potatoes	0.0	0.0	0.0	0.0	0.0
Veg & permanent crops	2,732.8	898.5	895.9	32.9	32.8
Tomatoes	1.4	2.2	2.2	159.3	158.2
Other vegetables	283.4	37.7	37.5	13.3	13.2
Table grapes	212.6	69.7	68.5	32.8	32.2
Citrus fruits	2,072.1	511.6	512.3	24.7	24.7
Other fruits	163.3	277.3	275.4	169.8	168.6
Table olives	0.0	0.0	0.0	424.0	409.7
Flax and hemp	1.0	0.0	0.0	-0.6	-0.8
Meat	2,246.9	100.4	1,435.7	4.5	63.9
Beef	1,631.2	16.3	947.5	1.0	58.1
Pork	16.0	14.4	22.6	90.0	141.7
Sheep and goat meat	10.1	-0.8	-1.4	-7.6	-13.5
Poultry meat	589.6	70.5	466.9	12.0	79.2
Dairy products	14.5	-0.2	39.8	-1.4	273.9
Butter	14.5	-0.2	39.8	-1.4	273.9
Skimmed milk powder	0.0	0.0	0.0	0.0	0.0
Cheese	0.0	0.0	0.0	0.0	0.0
Concentrated milk	0.0	0.0	0.0	0.0	0.0
Whole milk powder	0.0	0.0	0.0	0.0	0.0
Whey powder	0.0	0.0	0.0	0.0	0.0
Oils	553.9	155.7	153.6	28.1	27.7
Sunflower seed oil	350.9	94.1	92.5	26.8	26.4
Soya oil	203.1	61.6	61.1	30.3	30.1
Olive oil	0.0	0.0	0.0	0.0	0.0
Oil cakes	5,767.6	-4.2	-84.4	-0.1	-1.5
Rapeseed cake	0.3	0.0	0.0	0.7	-5.7
Sunflower seed cake	69.6	3.2	1.0	4.6	1.5
Soya cake	5,697.7	-7.4	-85.4	-0.1	-1.5
Milled rice	80.0	1.0	0.8	1.3	0.9
Sugar	1,283.5	-13.1	-23.9	-1.0	-1.9

Source: CAPRI simulation results.

Table A4.12: Value of total EU imports (Scenarios 1 and 2)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	Units	EUR mn	Difference from reference scenario		
		EUR million	EUR million	%	%
Cereals	1,171.0	7.2	-6.8	0.6	-0.6
Wheat	170.6	0.1	-1.6	0.1	-0.9
Rye and meslin	40.4	0.3	-0.4	0.7	-1.0
Barley	9.2	0.6	0.5	6.2	5.1
Oats	3.7	0.3	0.3	7.2	7.0
Grain maize	227.0	2.4	-0.7	1.1	-0.3
Other cereals	720.1	3.5	-4.8	0.5	-0.7
Oilseeds	6,348.5	-32.7	-45.9	-0.5	-0.7
Rape seed	1,367.1	0.6	-1.7	0.0	-0.1
Sunflower seed	685.4	-27.0	-27.5	-3.9	-4.0
Soybeans	4,296.1	-6.3	-16.8	-0.1	-0.4
Other arable crops	1,166.2	3.5	-8.4	0.3	-0.7
Pulses	729.5	0.9	-10.6	0.1	-1.5
Potatoes	436.7	2.6	2.2	0.6	0.5
Veg & permanent crops	12,335.7	-73.3	-103.1	-0.6	-0.8
Tomatoes	231.4	3.9	3.8	1.7	1.6
Other vegetables	2,040.4	15.9	15.6	0.8	0.8
Apples, pears, peaches	2,148.0	-37.3	-45.9	-1.7	-2.1
Table grapes	710.8	2.0	0.1	0.3	0.0
Citrus fruits	4,983.2	-129.1	-143.3	-2.6	-2.9
Other fruits	2,094.6	70.4	66.1	3.4	3.2
Table olives	112.4	0.7	0.5	0.7	0.5
Flax and hemp	1,176.5	0.6	0.5	0.0	0.0
Meat	3,161.9	130.8	1,404.5	4.1	44.4
Beef	1,819.3	16.7	914.4	0.9	50.3
Pork	44.6	17.2	25.2	38.5	56.5
Sheep and goat meat	620.1	-0.6	-18.3	-0.1	-3.0
Poultry meat	677.8	97.5	483.3	14.4	71.3
Dairy products	1,227.6	-1.1	14.6	-0.1	1.2
Butter	724.9	-0.9	14.4	-0.1	2.0
Cheese	50.0	-0.1	0.0	-0.1	0.0
Concentrated milk	4.1	0.0	0.0	-0.2	-0.1
Whole milk powder	10.3	0.0	0.0	0.0	0.3
Casein	157.1	-0.2	0.2	-0.1	0.1
Oils	8,063.6	77.1	69.0	1.0	0.9
Rape seed oil	187.2	-5.2	-5.7	-2.8	-3.0
Sunflower seed oil	929.8	64.3	62.5	6.9	6.7
Soya oil	319.9	55.9	55.1	17.5	17.2
Olive oil	789.4	0.2	-2.3	0.0	-0.3
Oil cakes	8,120.6	-1.6	-126.6	0.0	-1.6
Rape seed cake	7.1	0.0	-0.1	0.1	-2.0
Sunflower seed cake	88.7	3.1	0.7	3.5	0.8
Soya cake	8,024.9	-4.7	-127.2	-0.1	-1.6
Rice milled	825.4	-0.2	-2.0	0.0	-0.2
Sugar	2,784.0	-7.1	-20.3	-0.3	-0.7

Source: CAPRI simulation results.

Table A4.13: Value of total EU exports (Scenarios 1 and 2)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	Units	EUR mn	Difference from reference scenario		
		EUR million		%	%
Cereals	4,224.6	236.2	255.0	5.6	6.0
Wheat	3,595.8	229.8	244.1	6.4	6.8
Rye and meslin	40.2	0.0	0.0	0.0	0.0
Barley	448.6	7.0	9.8	1.6	2.2
Oats	69.3	-0.1	0.6	-0.2	0.8
Grain maize	34.3	-0.2	0.7	-0.6	2.1
Other cereals	36.4	-0.3	-0.2	-0.8	-0.5
Oilseeds	394.7	1.8	2.0	0.5	0.5
Rape seed	114.7	0.9	1.0	0.8	0.9
Sunflower seed	194.3	0.5	0.5	0.3	0.2
Soybeans	85.7	0.4	0.5	0.4	0.6
Other arable crops	289.7	4.7	7.1	1.6	2.5
Pulses	239.0	5.0	7.1	2.1	3.0
Potatoes	50.6	-0.3	0.0	-0.7	0.0
Veg & permanent crops	5,418.9	54.6	56.1	1.0	1.0
Tomatoes	99.0	27.3	27.5	27.6	27.8
Other vegetables	321.2	0.1	-0.2	0.0	-0.1
Apples, pears, peaches	796.4	1.6	3.9	0.2	0.5
Table grapes	54.2	5.4	5.4	10.0	10.0
Citrus fruits	43.8	0.4	0.3	1.0	0.6
Other fruits	114.0	7.0	7.1	6.1	6.2
Table olives	110.3	2.6	2.6	2.4	2.4
Flax and hemp	53.9	3.5	3.5	6.4	6.5
Meat	5,160.8	24.4	337.7	0.5	6.5
Beef	698.9	3.4	237.1	0.5	33.9
Pork	3,337.7	2.2	6.3	0.1	0.2
Sheep and goat meat	100.2	0.0	0.4	0.0	0.4
Poultry meat	1,024.0	18.9	94.0	1.8	9.2
Dairy products	4,146.2	0.7	0.4	0.0	0.0
Butter	50.2	-0.1	0.4	-0.2	0.8
Cheese	1,581.8	-1.9	-1.3	-0.1	-0.1
Concentrated milk	411.9	0.8	0.9	0.2	0.2
Whole milk powder	797.9	2.2	3.2	0.3	0.4
Oils	507.1	4.9	5.6	1.0	1.1
Rape seed oil	370.3	2.8	2.8	0.8	0.8
Sunflower seed oil	90.3	1.2	1.1	1.4	1.2
Soya oil	4.1	0.7	0.7	17.6	17.4
Olive oil	42.4	0.1	1.0	0.2	2.4
Oil cakes	1,018.5	0.8	-2.8	0.1	-0.3
Rape seed cake	491.1	0.5	-1.8	0.1	-0.4
Sunflower seed cake	107.6	0.1	-0.1	0.1	-0.1
Soya cake	419.8	0.3	-0.9	0.1	-0.2
Rice milled	20.0	0.1	0.3	0.5	1.3
Sugar	80.8	0.3	0.5	0.4	0.7

Source: CAPRI simulation results.

Table A4.14: Value of total imports Mercosur (Scenarios 1 and 2)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2	
	Units	EUR mn	Difference from reference scenario			
		EUR million	EUR million	%	%	
Cereals		709.9	253.3	257.9	35.7	36.3
Wheat		666.7	247.0	250.2	37.0	37.5
Barley		40.6	6.4	7.7	15.8	18.9
Oats		0.2	0.0	0.0	-22.9	-18.5
Grain maize		0.9	0.0	0.0	-2.0	2.8
Other cereals		1.4	0.0	0.0	-3.2	1.2
Oilseeds		2,175.1	15.0	16.5	0.7	0.8
Rape seed		6.1	0.7	0.7	11.0	11.4
Sunflower seed		0.3	0.1	0.1	34.7	34.9
Soybeans		2,168.6	14.2	15.7	0.7	0.7
Other arable crops		299.8	15.0	19.0	5.0	6.3
Pulses		295.9	14.7	18.4	5.0	6.2
Potatoes		3.9	0.2	0.6	5.4	15.4
Veg & permanent crops		1,201.0	-21.7	-18.1	-1.8	-1.5
Tomatoes		433.5	37.1	39.9	8.6	9.2
Other vegetables		12.7	0.5	0.5	3.5	3.8
Table grapes		1.6	0.5	0.5	30.6	32.2
Citrus fruits		0.1	0.3	0.3	303.5	303.5
Other fruits		268.5	12.0	12.7	4.5	4.7
Table olives		29.2	-0.1	0.0	-0.2	0.0
Flax and hemp		6.0	3.6	3.6	60.4	60.5
Meat		2.3	0.0	0.5	2.2	22.9
Pork		2.3	0.0	0.5	2.1	22.9
Sheep and goat meat		0.0	0.0	0.0	6.5	8.9
Dairy products		24.7	2.8	3.5	11.5	14.1
Butter		0.0	0.0	0.0	27.4	273.8
Cheese		1.4	0.1	0.5	7.9	38.4
Concentrated milk		1.1	2.8	2.8	259.4	260.6
Whole milk powder		0.8	0.0	0.0	4.4	5.4
Oils		1,035.1	9.7	9.0	0.9	0.9
Sunflower seed oil		0.7	0.1	0.1	7.6	7.9
Soya oil		1,017.9	9.7	8.9	1.0	0.9
Olive oil		14.0	0.0	0.1	0.2	0.9
Oil cakes		129.8	-0.2	7.3	-0.2	5.6
Sunflower seed cake		14.2	-0.4	-0.5	-3.0	-3.5
Soya cake		115.7	0.2	7.8	0.2	6.8
Rice milled		0.3	-0.1	-0.1	-21.6	-20.8
Sugar		0.3	0.0	0.0	2.6	3.5

Source: CAPRI simulation results.

Table A4.15: Value of total exports Mercosur (Scenarios 1 and 2)

Product	Reference scenario 2020	Scenario 1	Scenario 2	Scenario 1	Scenario 2
	Units	EUR mn	Difference from reference scenario		
		EUR million		%	%
Cereals	3,210.7	110.6	61.6	3.4	1.9
Wheat	359.6	87.6	85.2	24.4	23.7
Rye and meslin	4.3	0.1	0.1	2.9	2.5
Barley	72.6	3.4	3.1	4.7	4.2
Grain maize	2,416.0	12.4	-29.2	0.5	-1.2
Other cereals	358.4	7.1	2.5	2.0	0.7
Oilseeds	17,016.9	-43.2	-53.5	-0.3	-0.3
Rape seed	0.3	0.0	0.0	4.7	2.6
Sunflower seed	179.0	-12.4	-12.9	-6.9	-7.2
Soybeans	16,837.6	-30.8	-40.6	-0.2	-0.2
Other arable crops	6.8	0.0	-0.1	-0.7	-1.9
Pulses	5.0	0.1	0.0	1.7	0.4
Potatoes	1.8	-0.1	-0.1	-7.3	-8.4
Veg & permanent crops	1,661.0	883.7	900.1	53.2	54.2
Tomatoes	0.7	0.9	0.9	141.2	140.1
Other vegetables	139.7	70.3	70.3	50.3	50.3
Table grapes	192.9	71.0	69.9	36.8	36.3
Citrus fruits	1,204.4	487.9	506.8	40.5	42.1
Other fruits	123.3	253.5	252.1	205.5	204.4
Table olives	0.0	0.0	0.0	118.3	112.7
Flax and hemp	917.1	-5.1	-5.8	-0.6	-0.6
Meat	3,432.0	228.7	579.1	6.7	16.9
Beef	1,906.7	-7.9	80.6	-0.4	4.2
Pork	431.3	7.2	2.8	1.7	0.6
Sheep and goat meat	8.4	-0.6	-1.1	-7.5	-13.3
Poultry meat	1,085.6	230.0	496.9	21.2	45.8
Dairy products	898.2	-11.4	26.5	-1.3	2.9
Butter	27.5	-0.3	38.2	-0.9	138.7
Skim milk powder	17.9	-0.3	-0.3	-1.5	-1.9
Cheese	699.6	-10.3	-10.5	-1.5	-1.5
Concentrated milk	46.1	2.1	1.9	4.5	4.2
Whole milk powder	107.1	-2.6	-2.8	-2.4	-2.6
Whey powder	0.0	0.0	0.0	1.3	0.5
Oils	12,700.9	131.1	131.5	1.0	1.0
Sunflower seed oil	568.6	71.9	70.7	12.6	12.4
Soya oil	12,078.7	59.5	61.3	0.5	0.5
Olive oil	53.5	-0.3	-0.4	-0.6	-0.8
Oil cakes	13,498.1	-2.2	-88.3	0.0	-0.7
Rape seed cake	0.2	0.0	0.0	1.7	-5.4
Sunflower seed cake	149.5	3.6	2.6	2.4	1.7
Soya cake	13,348.4	-5.7	-90.8	0.0	-0.7
Rice milled	207.7	6.6	5.9	3.2	2.8
Sugar	28,206.4	13.9	218.8	0.0	0.8

Source: CAPRI simulation results.

■ Annex 5: CAPRI Simulation results: post-Doha scenarios

Additional tables and figures

Table A5.1: EU production value (at producer prices) (post-Doha scenarios)

	Reference scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	Millions of euros				Percentage		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	39,798.9	-168.2	47.2	-72.9	-0.4	0.1	-0.2
Wheat	19,691.7	-83.3	85.5	40.6	-0.4	0.4	0.2
Rye and meslin	912.7	-1.3	0.5	-0.6	-0.1	0.1	-0.1
Barley	7,457.4	-24.4	-14.3	-40.5	-0.3	-0.2	-0.5
Oats	1,445.3	-3.1	0.0	-4.8	-0.2	0.0	-0.3
Grain maize	8,873.1	-58.9	-35.2	-75.1	-0.7	-0.4	-0.8
Other cereals	1,418.7	2.9	10.7	7.6	0.2	0.8	0.5
Oilseeds	9,243.2	-42.9	-47.3	-51.5	-0.5	-0.5	-0.6
Rape seed	6,501.2	-25.0	-24.0	-27.0	-0.4	-0.4	-0.4
Sunflower seed	2,242.7	-17.5	-23.7	-25.5	-0.8	-1.1	-1.1
Soy beans	499.3	-0.3	0.4	1.0	-0.1	0.1	0.2
Other arable crops	9,103.4	-147.4	-149.0	-157.5	-1.6	-1.6	-1.7
Pulses	751.3	-14.1	-14.5	-18.3	-1.9	-1.9	-2.4
Potatoes	8,352.1	-133.2	-134.5	-139.2	-1.6	-1.6	-1.7
Vegetables & permanent crops	90,370.9	-873.6	-1,649.5	-1,692.6	-1.0	-1.8	-1.9
Tomatoes	9,588.9	-44.8	-37.1	-40.5	-0.5	-0.4	-0.4
Other vegetables	30,431.0	-167.2	-369.2	-384.0	-0.5	-1.2	-1.3
Apples, pears and peaches	9,787.1	-65.1	-87.4	-96.1	-0.7	-0.9	-1.0
Table grapes	2,500.6	-72.3	-105.4	-106.3	-2.9	-4.2	-4.3
Citrus fruits	5,810.2	-130.2	-353.0	-356.8	-2.2	-6.1	-6.1
Other fruits	9,730.0	-405.8	-712.1	-716.4	-4.2	-7.3	-7.4
Table olives	2,247.4	16.2	21.8	20.2	0.7	1.0	0.9
Flax and hemp	1,695.2	-2.6	-2.1	-1.9	-0.2	-0.1	-0.1
Meat	84,610.5	-2,712.1	-3,359.3	-5,837.3	-3.2	-4.0	-6.9
Beef	27,826.4	-1,823.9	-2,443.2	-4,601.1	-6.6	-8.8	-16.5
Pork	33,619.7	-269.3	-265.1	-318.4	-0.8	-0.8	-0.9
Sheep and goat meat	5,120.7	-84.0	-93.4	-121.6	-1.6	-1.8	-2.4
Poultry meat	18,043.7	-534.9	-557.6	-796.2	-3.0	-3.1	-4.4
Dairy products	83,790.6	-854.3	-834.8	-883.4	-1.0	-1.0	-1.1
Butter	5,091.8	-360.2	-361.3	-389.4	-7.1	-7.1	-7.6
Skimmed milk powder	1,593.7	-33.6	-39.2	-40.3	-2.1	-2.5	-2.5
Cheese	32,504.2	-52.2	-49.8	-67.9	-0.2	-0.2	-0.2
Concentrated milk	2,694.6	-4.9	0.6	-6.2	-0.2	0.0	-0.2
Whole milk powder	1,831.8	-7.5	-1.9	-6.8	-0.4	-0.1	-0.4
Whey powder	483.9	-15.8	-16.4	-17.8	-3.3	-3.4	-3.7
Oils	21,189.3	-1,314.5	-1,420.2	-1,448.3	-6.2	-6.7	-6.8
Rape seed oil	8,272.0	-107.5	-131.2	-137.2	-1.3	-1.6	-1.7
Sunflower seed oil	4,342.7	-127.0	-183.8	-186.4	-2.9	-4.2	-4.3
Soya oil	1,858.6	-46.1	-68.9	-73.1	-2.5	-3.7	-3.9
Olive oil	6,648.4	-1,032.1	-1,034.4	-1,049.7	-15.5	-15.6	-15.8
Oil cakes	6,525.0	-110.0	-123.4	-160.8	-1.7	-1.9	-2.5
Rape seed cake	2,312.9	-28.4	-30.2	-44.2	-1.2	-1.3	-1.9
Sunflower seed cake	703.1	-17.6	-22.3	-25.8	-2.5	-3.2	-3.7
Soya cake	3,509.0	-64.0	-71.0	-90.8	-1.8	-2.0	-2.6
Rice milled	1,151.6	-28.0	-28.7	-30.0	-2.4	-2.5	-2.6
Sugar	9,341.9	31.4	59.1	78.8	0.3	0.6	0.8

Source: CAPRI simulation results.

Table A5.2: Mercosur production value (at producer prices) (post-Doha scenarios)

	Referece scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	<i>Millions of euros</i>				<i>Percentage</i>		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	25,297.8	82.1	-257.6	-116.1	0.3	-1.0	-0.5
Wheat	4,658.8	-14.0	-338.3	-349.9	-0.3	-7.3	-7.5
Rye and meslin	21.9	0.1	-0.1	0.2	0.3	-0.2	1.0
Barley	331.6	1.5	-9.3	-7.3	0.5	-2.8	-2.2
Oats	221.6	1.4	-1.5	0.5	0.7	-0.7	0.2
Grain maize	19,011.0	92.1	89.5	233.7	0.5	0.5	1.2
Other cereals	1,052.9	1.0	2.1	6.7	0.1	0.2	0.6
Oilseeds	76,932.0	-277.7	-286.4	-272.4	-0.4	-0.4	-0.4
Rape seed	40.5	-0.1	-3.1	-3.1	-0.3	-7.6	-7.7
Sunflower seed	2,302.6	35.2	100.0	98.5	1.5	4.3	4.3
Soybeans	74,588.9	-312.8	-383.2	-367.8	-0.4	-0.5	-0.5
Other arable crops	4,270.0	-4.6	-6.4	-4.4	-0.1	-0.1	-0.1
Pulses	3,490.6	-6.4	-12.4	-10.8	-0.2	-0.4	-0.3
Potatoes	779.4	1.8	6.0	6.4	0.2	0.8	0.8
Vegetables & permanent crops	40,143.2	251.3	2,031.0	2,136.4	0.6	5.1	5.3
Tomatoes	1,845.5	3.5	-52.9	-51.5	0.2	-2.9	-2.8
Other vegetables	4,717.8	29.6	178.4	183.2	0.6	3.8	3.9
Apples, pears and peaches	2,644.5	5.8	20.7	23.1	0.2	0.8	0.9
Table grapes	5,497.1	74.5	246.3	244.8	1.4	4.5	4.5
Citrus fruits	14,478.2	87.7	1,208.4	1,291.8	0.6	8.3	8.9
Other fruits	10,874.3	49.9	430.7	445.6	0.5	4.0	4.1
Table olives	85.8	0.2	-0.6	-0.5	0.2	-0.6	-0.6
Flax and hemp	2,426.6	-88.2	-98.2	-99.3	-3.6	-4.0	-4.1
Meat	63,245.2	1,082.8	1,321.0	2,594.3	1.7	2.1	4.1
Beef	35,662.5	646.3	859.1	1,706.2	1.8	2.4	4.8
Pork	7,070.0	50.3	58.1	89.1	0.7	0.8	1.3
Sheep and goat meat	746.3	0.9	3.0	4.5	0.1	0.4	0.6
Poultry meat	19,766.4	385.2	400.9	794.5	1.9	2.0	4.0
Dairy products	6,380.5	58.7	60.7	81.9	0.9	1.0	1.3
Butter	220.4	10.6	10.3	28.9	4.8	4.7	13.1
Skimmed milk powder	85.4	0.4	0.3	0.3	0.5	0.3	0.4
Cheese	4,294.8	53.1	54.7	56.2	1.2	1.3	1.3
Concentrated milk	116.8	1.9	0.3	0.6	1.6	0.3	0.5
Whole milk powder	1,601.3	-7.4	-4.7	-4.2	-0.5	-0.3	-0.3
Whey powder	58.1	0.1	-0.1	0.2	0.3	-0.2	0.4
Oils	22,791.6	114.0	303.2	292.0	0.5	1.3	1.3
Rape seed oil	46.6	0.2	0.7	0.7	0.4	1.6	1.6
Sunflower seed oil	4,598.5	94.4	240.5	235.8	2.1	5.2	5.1
Soya oil	17,754.4	22.3	65.1	59.5	0.1	0.4	0.3
Olive oil	66.2	-3.5	-3.8	-4.2	-5.3	-5.7	-6.3
Oil cakes	16,456.4	-149.7	-154.9	-151.8	-0.9	-0.9	-0.9
Rape seed cake	7.1	-0.1	0.0	0.1	-0.9	0.5	0.9
Sunflowe seed cake	474.5	-3.8	-0.5	-1.4	-0.8	-0.1	-0.3
Soya cake	15,974.8	-145.8	-154.4	-150.4	-0.9	-1.0	-0.9
Rice milled	4,051.8	-6.1	-20.2	-22.8	-0.1	-0.5	-0.6
Sugar	24,576.8	72.2	118.1	144.1	0.3	0.5	0.6

Source: CAPRI simulation results.

Table A5.3: EU beef production at NUTS 2 level (post-Doha scenarios)

NUTS 2 regions	Production (kg per ha UAA)				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Notio aigaiio EL420000	13.43	12.98	12.80	12.16	-3.37	-4.73	-9.43
Friesland NL120000	5.52	5.32	5.25	5.01	-3.63	-4.85	-9.24
Zuid-Holland NL330000	1.78	1.72	1.70	1.62	-3.59	-4.81	-9.22
Utrecht NL310000	7.33	7.07	6.98	6.66	-3.60	-4.82	-9.18
Noord-Holland NL320000	5.68	5.52	5.44	5.18	-2.90	-4.24	-8.84
Sachsen DED00000	14.45	14.09	13.90	13.26	-2.54	-3.86	-8.29
Sardegna ITB00000	77.22	75.21	74.23	70.94	-2.61	-3.88	-8.14
Zeeland NL340000	1.70	1.64	1.63	1.56	-3.14	-4.20	-8.06
Friuli-Venezia Giulia IT330000	14.34	13.94	13.78	13.20	-2.75	-3.91	-7.96
Piemonte IT110000	156.25	152.22	150.37	144.14	-2.58	-3.77	-7.75
Sicilia ITA00000	58.07	56.71	56.01	53.62	-2.33	-3.55	-7.66
Molise IT720000	42.46	41.38	40.89	39.23	-2.55	-3.70	-7.62
Alsace FR420000	13.35	12.95	12.82	12.35	-2.94	-3.94	-7.50
Mecklenburg-vorpommern DE800000	12.96	12.66	12.50	11.99	-2.31	-3.50	-7.48
Calabria IT930000	44.13	43.14	42.62	40.86	-2.24	-3.41	-7.42
Basilicata IT920000	55.79	54.40	53.78	51.69	-2.50	-3.60	-7.36
Umbria IT520000	97.67	95.44	94.31	90.52	-2.28	-3.43	-7.32
Wales UKL00000	111.77	107.45	106.57	103.63	-3.87	-4.65	-7.28
Northern Ireland UKN00000	223.34	215.05	213.25	207.09	-3.71	-4.52	-7.28
Namur BL350000	189.28	184.57	182.45	175.52	-2.49	-3.61	-7.27
Puglia IT910000	21.67	21.11	20.88	20.10	-2.58	-3.62	-7.23
Trentino-Alto Adige IT310000	27.18	26.51	26.22	25.22	-2.45	-3.53	-7.20
Kriti EL430000	5.11	4.98	4.93	4.74	-2.47	-3.53	-7.19
Lombardia IT200000	144.07	140.28	138.81	133.71	-2.63	-3.65	-7.19
Overijssel NL210000	23.36	22.76	22.51	21.68	-2.57	-3.63	-7.17
Yorkshire & The Humber UKE00000	71.52	68.77	68.26	66.47	-3.85	-4.56	-7.06
East Midlands UKF00000	52.31	50.28	49.91	48.63	-3.89	-4.59	-7.04
Gelderland NL220000	41.27	40.28	39.85	38.38	-2.40	-3.45	-7.01
Noord-Brabant NL410000	15.10	14.69	14.55	14.05	-2.70	-3.64	-6.96
South West UKK00000	106.37	102.38	101.61	98.97	-3.75	-4.48	-6.96
Scotland UKM00000	68.59	65.94	65.47	63.92	-3.87	-4.55	-6.81
Bratislavský SK010000	18.76	18.24	18.05	17.49	-2.79	-3.80	-6.79
Limburg (B) BL220000	142.98	139.57	138.13	133.28	-2.39	-3.39	-6.78
Marche IT530000	53.35	52.09	51.56	49.74	-2.37	-3.36	-6.77
West Midlands UKG00000	96.94	93.39	92.72	90.39	-3.66	-4.35	-6.75
Emilia-Romagna IT400000	44.82	43.76	43.32	41.80	-2.36	-3.33	-6.73
Antwerpen BL210000	117.05	114.22	113.08	109.19	-2.42	-3.39	-6.71
Liege BL330000	121.89	119.06	117.81	113.75	-2.32	-3.35	-6.68
Pais vasco ES210000	128.85	126.06	124.74	120.28	-2.16	-3.19	-6.65
North East UKC00000	97.18	93.59	92.93	90.75	-3.69	-4.37	-6.62
Hainaut BL320000	156.36	152.76	151.21	146.05	-2.30	-3.29	-6.59
South East UKJ00000	57.93	56.16	55.72	54.19	-3.07	-3.82	-6.46

NUTS 2 regions	Production (kg per ha UAA)				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Thuringen DEG00000	25.57	25.03	24.78	23.93	-2.11	-3.10	-6.43
Brabant Wallon BL310000	100.06	97.82	96.85	93.65	-2.23	-3.20	-6.40
Asturias ES120000	173.70	170.28	168.52	162.64	-1.97	-2.98	-6.37
N. West (incl. Merseyside) UKD00000	84.63	81.88	81.30	79.24	-3.25	-3.94	-6.36
Veneto IT320000	119.49	116.68	115.61	111.90	-2.36	-3.25	-6.35
Západné Slovensko SK020000	5.61	5.46	5.41	5.26	-2.55	-3.51	-6.28
Sachsen-Anhalt DEE00000	9.45	9.26	9.17	8.86	-2.04	-3.01	-6.27
Luxembourg (G-Duche) BL400000	113.45	111.00	109.92	106.35	-2.16	-3.12	-6.26
Voreio aigaio EL410000	14.49	14.22	14.08	13.58	-1.81	-2.83	-6.26
Galicia ES110000	103.78	101.77	100.76	97.31	-1.94	-2.91	-6.23
Ile de france FR100000	1.09	1.07	1.06	1.03	-2.52	-3.31	-6.21
Drenthe NL130000	4.97	4.85	4.81	4.67	-2.41	-3.24	-6.18
Languedoc-Roussillon FR810000	42.77	41.83	41.44	40.14	-2.20	-3.11	-6.16
Aragon ES240000	3.52	3.45	3.41	3.30	-2.11	-3.03	-6.15
Dytiki makedonia EL130000	8.99	8.79	8.71	8.44	-2.26	-3.14	-6.14
Lazio IT600000	94.82	92.82	91.96	89.01	-2.10	-3.02	-6.13
Navarra ES220000	31.76	31.12	30.83	29.83	-2.00	-2.93	-6.09
Haute-Normandie FR230000	95.13	92.97	92.15	89.36	-2.28	-3.13	-6.07
Giessen DE720000	51.24	50.19	49.71	48.13	-2.06	-2.98	-6.06
Vlaams Brabant BL240000	149.91	146.70	145.36	140.85	-2.14	-3.03	-6.04
Picardie FR220000	36.91	36.09	35.78	34.69	-2.21	-3.06	-6.01
Kentriki makedonia EL120000	27.02	26.51	26.27	25.40	-1.88	-2.79	-5.98
Lisboa PT170000	73.96	72.32	71.70	69.58	-2.21	-3.06	-5.93
Oost-Vlaanderen BL230000	194.06	189.98	188.31	182.68	-2.10	-2.97	-5.86
Anatoliki makedonia, Thraki EL110000	27.06	26.54	26.30	25.48	-1.94	-2.83	-5.85
Champagne-Ardenne FR210000	57.85	56.60	56.11	54.46	-2.16	-3.00	-5.85
Slovak Republic SK000000	8.24	8.05	7.98	7.76	-2.34	-3.22	-5.84
Ahvenanmaa/Åland FI200000	24.63	24.10	23.91	23.19	-2.15	-2.93	-5.84
Bretagne FR520000	50.44	49.44	49.01	47.50	-1.98	-2.84	-5.83
Luxembourg (B) BL340000	354.04	346.84	343.56	333.48	-2.03	-2.96	-5.81
Poitou-Charentes FR530000	60.20	58.94	58.45	56.72	-2.09	-2.92	-5.78
Centre FR240000	42.75	41.88	41.52	40.29	-2.04	-2.88	-5.77
Bourgogne FR260000	117.72	115.35	114.35	110.93	-2.01	-2.87	-5.77
Nord-Pas-De-Calais FR300000	75.56	73.94	73.32	71.20	-2.14	-2.95	-5.77
Ipeiros EL210000	51.86	50.91	50.45	48.87	-1.82	-2.72	-5.75
Basse-Normandie FR250000	111.31	108.90	108.01	104.94	-2.16	-2.96	-5.72
Provence-Alpes-Cote d'A.FR820000	18.27	17.89	17.74	17.23	-2.06	-2.89	-5.71
Východné Slovensko SK040000	13.13	12.83	12.72	12.38	-2.28	-3.10	-5.67
Weat-Vlaanderen BL250000	157.63	154.40	153.08	148.71	-2.04	-2.89	-5.66
Eastern UKH00000	28.88	28.08	27.90	27.25	-2.77	-3.40	-5.66
Oberoesterreich AT310000	80.11	78.46	77.82	75.59	-2.06	-2.86	-5.64
Ionia nisia EL220000	13.06	12.86	12.74	12.33	-1.59	-2.50	-5.63
Lorraine FR410000	102.15	100.00	99.18	96.41	-2.11	-2.91	-5.63

NUTS 2 regions	Production (kg per ha UAA)				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Niederösterreich AT120000	32.17	31.50	31.25	30.36	-2.08	-2.87	-5.62
Thessalia EL140000	26.63	26.15	25.92	25.14	-1.79	-2.66	-5.61
Peloponnisos EL250000	8.71	8.57	8.49	8.23	-1.57	-2.47	-5.52
Sterea ellada EL240000	7.12	6.99	6.93	6.73	-1.76	-2.62	-5.51
Toscana IT510000	38.94	38.13	37.84	36.81	-2.08	-2.83	-5.48
Rioja ES230000	38.44	37.76	37.44	36.34	-1.78	-2.61	-5.46
Dytiki ellada EL230000	28.45	27.96	27.72	26.91	-1.72	-2.58	-5.44
Cantabria ES130000	142.17	139.62	138.47	134.44	-1.79	-2.60	-5.44
Extremadura ES430000	128.28	126.06	124.98	121.35	-1.73	-2.57	-5.40
Burgenland AT110000	13.70	13.43	13.33	12.97	-1.97	-2.73	-5.34
Attiki EL300000	4.38	4.29	4.26	4.15	-2.10	-2.79	-5.33
Campania IT800000	87.78	85.99	85.35	83.11	-2.04	-2.77	-5.32
Aquitaine FR610000	96.01	94.21	93.46	90.93	-1.88	-2.65	-5.29
Cataluna ES510000	24.73	24.34	24.13	23.42	-1.58	-2.41	-5.28
Groningen NL110000	2.68	2.63	2.61	2.54	-2.08	-2.77	-5.23
Freiburg DE130000	41.94	41.20	40.88	39.78	-1.75	-2.53	-5.16
Castilla-Leon ES410000	93.29	91.64	90.92	88.48	-1.76	-2.53	-5.16
Andalucia ES610000	40.85	40.18	39.87	38.78	-1.64	-2.39	-5.06
Stuttgart DE110000	26.77	26.32	26.12	25.43	-1.66	-2.43	-5.00
Dél-Dunántúl HU230000	1.85	1.81	1.79	1.75	-1.99	-2.86	-4.98
Rheinessen-Pfalz DEB30000	23.80	23.41	23.23	22.62	-1.64	-2.41	-4.95
Unterfranken DE260000	33.28	32.68	32.45	31.65	-1.80	-2.49	-4.89
Rhone-Alpes FR710000	62.30	61.21	60.77	59.26	-1.76	-2.46	-4.89
Malta MT000000	92.86	91.01	90.37	88.34	-2.00	-2.68	-4.87
Franche-Comte FR430000	56.86	55.85	55.46	54.10	-1.78	-2.46	-4.86
Mazowieckie PL120000	12.91	12.68	12.57	12.28	-1.81	-2.68	-4.86
Yuzhen tsentralen BG050000	13.74	13.45	13.37	13.07	-2.11	-2.73	-4.86
Valle d'Aosta IT120000	29.63	29.17	28.94	28.20	-1.57	-2.32	-4.82
Severen tsentralen BG020000	15.33	15.00	14.91	14.59	-2.10	-2.71	-4.82
Stredné Slovensko SK030000	5.16	5.07	5.03	4.91	-1.80	-2.58	-4.79
Yugoiztochen BG060000	14.59	14.29	14.20	13.89	-2.08	-2.69	-4.79
Norte PT110000	42.37	41.77	41.43	40.34	-1.41	-2.21	-4.77
Kujawsko-Pomorskie PL610000	25.39	24.91	24.71	24.19	-1.87	-2.68	-4.73
Castilla-la Mancha ES420000	11.91	11.67	11.60	11.35	-2.02	-2.59	-4.72
Algarve PT150000	24.86	24.38	24.24	23.69	-1.92	-2.49	-4.71
Sydsverige SE040000	48.40	47.63	47.29	46.14	-1.60	-2.31	-4.68
Yugozapaden BG040000	15.34	15.03	14.94	14.62	-2.03	-2.63	-4.68
Cyprus CY000000	25.60	25.10	24.91	24.41	-1.92	-2.66	-4.64
Midi-Pyrenees FR620000	94.08	92.54	91.90	89.72	-1.63	-2.31	-4.63
Centro PT160000	34.61	34.11	33.85	33.02	-1.45	-2.20	-4.62
Norra mellansverige SE060000	54.20	53.34	52.96	51.70	-1.60	-2.30	-4.61
Vorarlberg AT340000	56.33	55.35	55.00	53.75	-1.74	-2.36	-4.58
Karlsruhe DE120000	66.42	65.35	64.90	63.39	-1.61	-2.29	-4.56

NUTS 2 regions	Production (kg per ha UAA)				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Limburg (NL) NL420000	4.52	4.44	4.41	4.32	-1.86	-2.45	-4.56
Oberbayern DE210000	34.59	33.99	33.77	33.02	-1.76	-2.38	-4.55
Alentejo PT180000	70.38	69.40	68.86	67.17	-1.39	-2.15	-4.55
Acores PT200000	141.44	139.22	138.24	135.02	-1.57	-2.26	-4.54
Stockholm SE010000	4.63	4.55	4.52	4.42	-1.72	-2.36	-4.53
Border, Midlands & Western IR010000	229.45	225.86	224.33	219.08	-1.57	-2.23	-4.52
Västsvrige SE0A0000	37.53	36.91	36.67	35.83	-1.65	-2.30	-4.52
Dél-Alföld HU330000	1.86	1.82	1.81	1.77	-1.80	-2.59	-4.51
Dolnoslaskie PL510000	1.38	1.35	1.34	1.31	-1.76	-2.56	-4.51
Trier DEB20000	75.88	74.74	74.21	72.49	-1.51	-2.20	-4.48
Severozapaden BG010000	9.87	9.67	9.61	9.43	-2.01	-2.56	-4.47
Abruzzo IT710000	47.16	46.46	46.14	45.06	-1.49	-2.16	-4.46
Slovenia SI000000	132.87	130.74	129.39	126.97	-1.61	-2.62	-4.44
Severoiztochen BG030000	16.03	15.72	15.63	15.32	-1.91	-2.47	-4.41
Tirol AT330000	56.93	55.99	55.64	54.43	-1.65	-2.25	-4.39
Steiermark AT220000	100.21	98.61	97.96	95.82	-1.59	-2.24	-4.38
Saarland DEC00000	105.60	103.99	103.31	100.99	-1.53	-2.17	-4.37
Östra mellansverige SE020000	24.02	23.62	23.48	22.97	-1.65	-2.25	-4.36
Tuebingen DE140000	36.26	35.70	35.47	34.68	-1.52	-2.18	-4.34
Nyugat-Dunántúl HU220000	4.11	4.05	4.00	3.93	-1.48	-2.54	-4.34
Moravskoslezsko CZ080000	20.05	19.82	19.53	19.18	-1.12	-2.60	-4.33
Wielkopolskie PL410000	26.79	26.33	26.13	25.63	-1.72	-2.46	-4.33
Severovýchod CZ050000	15.00	14.84	14.60	14.35	-1.05	-2.68	-4.29
Etelae-Suomi FI180000	16.43	16.16	16.07	15.73	-1.64	-2.21	-4.25
Strední Morava CZ070000	4.70	4.63	4.58	4.50	-1.59	-2.53	-4.25
Lubelskie PL310000	12.50	12.31	12.21	11.97	-1.58	-2.35	-4.23
Közép-Magyarország HU100000	3.07	3.02	3.00	2.94	-1.60	-2.41	-4.22
Oberpfalz DE230000	51.76	50.97	50.65	49.59	-1.53	-2.14	-4.19
Darmstadt DE710000	66.37	65.36	64.95	63.60	-1.52	-2.13	-4.18
Koeln DEA20000	43.17	42.56	42.28	41.37	-1.43	-2.07	-4.17
Pohjois-Suomi FI1A0000	39.14	38.38	38.21	37.51	-1.93	-2.36	-4.17
Southern and Eastern IR020000	223.94	220.69	219.32	214.63	-1.45	-2.06	-4.16
Salzburg AT320000	82.19	80.93	80.45	78.79	-1.53	-2.12	-4.14
Småland med öarna SE090000	72.59	71.52	71.08	69.60	-1.48	-2.09	-4.13
Észak-Alföld HU320000	3.34	3.29	3.26	3.20	-1.44	-2.38	-4.13
Hannover DE920000	51.65	50.87	50.56	49.54	-1.51	-2.10	-4.07
Lubuskie PL430000	8.92	8.78	8.72	8.56	-1.63	-2.30	-4.05
Jihovýchod CZ060000	9.89	9.77	9.64	9.49	-1.19	-2.46	-4.04
Auvergne FR720000	149.15	147.05	146.18	143.14	-1.40	-1.99	-4.03
Praha CZ010000	22.90	22.54	22.35	21.98	-1.56	-2.40	-4.02
Jihozápad CZ030000	27.68	27.39	26.98	26.57	-1.04	-2.53	-4.01
Strední Čechy CZ020000	11.98	11.80	11.70	11.50	-1.55	-2.36	-4.00
Közép-Dunántúl HU210000	4.32	4.26	4.22	4.15	-1.34	-2.27	-3.99

NUTS 2 regions	Production (kg per ha UAA)				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Detmold DEA40000	55.64	54.86	54.52	53.43	-1.41	-2.01	-3.98
Arnsberg DEA50000	30.05	29.58	29.42	28.86	-1.56	-2.10	-3.98
Zachodniopomorskie PL420000	7.64	7.52	7.47	7.34	-1.60	-2.22	-3.95
Opolskie PL520000	5.26	5.18	5.14	5.05	-1.55	-2.27	-3.95
Braunschweig DE910000	44.48	43.84	43.59	42.75	-1.44	-2.01	-3.90
Mellersta norrland SE070000	40.21	39.66	39.42	38.64	-1.38	-1.96	-3.90
Mittelfranken DE250000	70.44	69.36	69.00	67.70	-1.53	-2.05	-3.89
Pays de la loire FR510000	130.52	128.84	128.08	125.46	-1.29	-1.87	-3.88
Comunidad Valenciana ES520000	21.55	21.28	21.18	20.72	-1.27	-1.74	-3.87
Podlaskie PL340000	23.90	23.57	23.39	23.00	-1.38	-2.13	-3.78
Pomorskie PL630000	10.07	9.92	9.86	9.69	-1.51	-2.14	-3.75
Lueneburg DE930000	28.77	28.35	28.20	27.70	-1.47	-1.98	-3.73
Lódzkie PL110000	19.10	18.83	18.71	18.40	-1.41	-2.04	-3.65
Duesseldorf DEA10000	64.81	63.99	63.63	62.47	-1.27	-1.83	-3.62
Laensi-Suomi FI190000	45.48	44.82	44.61	43.86	-1.45	-1.91	-3.57
Comunidad de Madrid ES300000	31.01	30.52	30.40	29.91	-1.58	-1.98	-3.54
Kaernten AT210000	120.68	119.18	118.57	116.41	-1.25	-1.75	-3.54
Övre norrland SE080000	27.23	26.84	26.71	26.26	-1.43	-1.89	-3.54
Niederbayern DE220000	67.69	66.78	66.44	65.30	-1.34	-1.84	-3.53
Warminsko-Mazurskie PL620000	11.25	11.10	11.03	10.85	-1.33	-1.97	-3.53
Liguria IT130000	105.96	105.14	104.48	102.23	-0.77	-1.39	-3.52
Észak-Magyarország HU310000	4.26	4.21	4.17	4.11	-1.05	-1.95	-3.44
Murcia ES620000	6.43	6.32	6.30	6.21	-1.64	-1.92	-3.41
Severozápad CZ040000	21.75	21.52	21.31	21.02	-1.04	-2.02	-3.38
Madeira PT300000	243.69	240.90	239.68	235.51	-1.14	-1.65	-3.36
Brandenburg DE400000	17.59	17.35	17.27	17.01	-1.36	-1.80	-3.28
Canarias ES700000	9.87	9.72	9.70	9.55	-1.53	-1.80	-3.25
Itae-Suomi FI130000	62.27	61.43	61.20	60.32	-1.34	-1.72	-3.12
Malopolskie PL210000	18.43	18.21	18.11	17.85	-1.17	-1.76	-3.12
Oberfranken DE240000	25.84	25.50	25.40	25.04	-1.31	-1.71	-3.09
Swietokrzyskie PL330000	12.20	12.07	12.00	11.83	-1.09	-1.69	-3.09
Baleares ES530000	8.93	8.80	8.77	8.65	-1.49	-1.77	-3.07
Muenster DEA30000	136.02	134.44	133.83	131.90	-1.17	-1.61	-3.03
Limousin FR630000	263.24	260.51	259.36	255.35	-1.04	-1.47	-3.00
Schwaben DE270000	26.27	25.94	25.84	25.49	-1.25	-1.63	-2.96
Weser-Ems DE940000	66.38	65.62	65.35	64.43	-1.14	-1.55	-2.94
Kassel DE730000	23.52	23.25	23.15	22.85	-1.16	-1.56	-2.84
Podkarpackie PL320000	5.54	5.49	5.46	5.39	-0.94	-1.50	-2.80
Koblenz DEB10000	22.44	22.19	22.11	21.85	-1.13	-1.47	-2.64
Schleswig-Holstein DEF00000	50.63	50.07	49.90	49.30	-1.11	-1.45	-2.63
Slaskie PL220000	13.29	13.16	13.09	12.94	-0.97	-1.47	-2.62
Sud-Vest R0040000	13.99	13.84	13.80	13.66	-1.04	-1.34	-2.32
Bucuresti R0080000	20.01	19.80	19.74	19.56	-1.07	-1.35	-2.29

NUTS 2 regions	Production (kg per ha UAA)				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Corse FR830000	111.69	110.85	110.48	109.16	-0.75	-1.09	-2.26
Sud-Est R0020000	12.18	12.05	12.02	11.91	-1.01	-1.29	-2.21
Vest R0050000	10.20	10.11	10.08	9.99	-0.95	-1.22	-2.13
Nord-Est R0010000	18.80	18.62	18.58	18.42	-0.93	-1.17	-2.00
Nord-Vest R0060000	10.10	10.01	9.98	9.90	-0.89	-1.13	-1.93
Centru R0070000	17.66	17.50	17.46	17.32	-0.90	-1.12	-1.90
Sud R0030000	11.13	11.04	11.01	10.92	-0.87	-1.10	-1.88
Lithuania LT000000	4.53	4.52	4.49	4.47	-0.28	-0.79	-1.33
Estonia EE000000	7.33	7.36	7.31	7.27	0.35	-0.37	-0.88
Latvia LV000000	7.92	7.93	7.89	7.91	0.17	-0.34	-0.08
Denmark DK000000	33.39	33.36	33.38	33.43	-0.08	-0.02	0.13

Source: CAPRI simulation results

Table A5.4: EU beef revenue at NUTS 2 level (post-Doha scenarios)

NUTS 2 regions	Production in euros/ha UAA				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Friesland NL120000	24.21	22.19	21.49	19.10	-8.33	-11.21	-21.12
Utrecht NL310000	32.24	29.57	28.64	25.46	-8.29	-11.17	-21.03
Zuid-Holland NL330000	7.92	7.27	7.04	6.26	-8.23	-11.08	-20.92
Noord-Holland NL320000	13.82	12.78	12.37	10.98	-7.53	-10.51	-20.53
Notio aigaio EL420000	33.66	31.11	30.13	26.85	-7.57	-10.47	-20.21
Sardegna ITB00000	180.68	167.40	162.14	144.59	-7.35	-10.26	-19.97
Sicilia ITA00000	112.08	104.07	100.77	89.76	-7.15	-10.09	-19.91
Zeeland NL340000	7.58	6.99	6.79	6.07	-7.78	-10.49	-19.87
Sachsen DED00000	21.34	19.93	19.26	17.10	-6.62	-9.74	-19.84
Mecklenburg-vorpommern DE800000	18.16	16.96	16.40	14.57	-6.62	-9.71	-19.75
Galicia ES110000	106.61	99.69	96.47	85.93	-6.49	-9.51	-19.39
Friuli-Venezia Giulia IT330000	36.74	34.02	33.04	29.67	-7.41	-10.07	-19.25
Noord-Brabant NL410000	66.10	61.17	59.43	53.44	-7.46	-10.10	-19.15
Piemonte IT110000	456.23	423.62	411.10	369.01	-7.15	-9.89	-19.12
Alsace FR420000	63.14	58.43	56.78	51.12	-7.46	-10.07	-19.03
Calabria IT930000	126.01	117.23	113.77	102.04	-6.96	-9.71	-19.02
Umbria IT520000	228.96	213.09	206.74	185.45	-6.93	-9.71	-19.00
Molise IT720000	126.09	117.07	113.67	102.14	-7.15	-9.85	-18.99
Basilicata IT920000	160.55	149.08	144.76	130.11	-7.15	-9.84	-18.96
Gelderland NL220000	105.98	98.52	95.63	85.93	-7.03	-9.76	-18.92
Nmanur BL350000	519.90	484.01	469.49	421.72	-6.90	-9.70	-18.88
Lombardia IT200000	532.61	493.78	479.82	432.08	-7.29	-9.91	-18.88
Overijssel NL210000	74.77	69.39	67.39	60.66	-7.19	-9.86	-18.87
Antwerpen BL210000	385.62	358.25	347.95	313.10	-7.10	-9.77	-18.80
Trentino-Alto Adige IT310000	79.48	73.84	71.74	64.59	-7.09	-9.74	-18.74
Puglia IT910000	74.12	68.83	66.89	60.28	-7.13	-9.74	-18.67
Asturias ES120000	239.90	224.43	217.65	195.36	-6.45	-9.28	-18.57
Liege BL330000	369.29	343.90	333.92	300.83	-6.88	-9.58	-18.54
Pais vasco ES210000	232.09	216.29	210.10	189.22	-6.81	-9.47	-18.47
Limburg (B) BL220000	432.32	402.81	391.26	352.63	-6.83	-9.50	-18.43
Luxembourg (G-Duche) BL400000	275.00	256.57	249.09	224.31	-6.70	-9.42	-18.43
Northern Ireland UKN00000	506.26	468.11	455.55	412.96	-7.53	-10.02	-18.43
Yorkshire & The Humber UKE00000	170.07	156.95	152.84	138.74	-7.72	-10.13	-18.42
Cataluna ES510000	28.06	26.33	25.53	22.90	-6.17	-9.02	-18.41
Drenthe NL130000	21.95	20.38	19.82	17.91	-7.15	-9.68	-18.38
Wales UKL00000	265.94	245.65	239.11	217.08	-7.63	-10.09	-18.37
Hainaut BL320000	440.71	410.95	399.15	359.89	-6.75	-9.43	-18.34
Marche IT530000	191.61	178.29	173.33	156.46	-6.95	-9.54	-18.34
Cantabria ES130000	196.53	183.65	178.42	160.70	-6.55	-9.21	-18.23
Dytiki makedonia EL130000	45.21	42.03	40.90	37.00	-7.03	-9.54	-18.16
Veneto IT320000	466.59	433.96	422.18	381.86	-6.99	-9.52	-18.16
Emilia-Romagna IT400000	151.47	141.00	137.16	123.96	-6.91	-9.45	-18.16

NUTS 2 regions	Production in euros/ha UAA				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Navarra ES220000	55.45	51.77	50.32	45.43	-6.65	-9.25	-18.08
Ile de france FR100000	5.11	4.75	4.62	4.19	-7.11	-9.56	-18.07
East Midlands UKF00000	127.40	117.71	114.71	104.40	-7.61	-9.96	-18.06
Weat-Vlaanderen BL250000	410.34	382.93	372.17	336.28	-6.68	-9.30	-18.05
Brabant Wallon BL310000	307.34	286.79	278.73	251.87	-6.69	-9.31	-18.05
Kriti EL430000	10.32	9.65	9.37	8.46	-6.53	-9.17	-18.03
South West UKK00000	264.93	245.13	238.79	217.19	-7.47	-9.87	-18.02
Scotland UKM00000	145.90	134.84	131.35	119.61	-7.58	-9.98	-18.02
Luxembourg (B) BL340000	878.20	820.71	797.02	720.19	-6.55	-9.24	-17.99
Lisboa PT170000	333.95	310.83	302.46	273.89	-6.92	-9.43	-17.99
Attiki EL300000	25.12	23.37	22.76	20.61	-6.97	-9.43	-17.96
North East UKC00000	220.26	203.71	198.44	180.78	-7.51	-9.91	-17.93
Oost-Vlaanderen BL230000	566.20	528.44	513.83	464.76	-6.67	-9.25	-17.92
Haute-Normandie FR230000	354.13	330.01	321.15	291.01	-6.81	-9.31	-17.82
Lazio IT600000	329.84	307.66	299.35	271.05	-6.73	-9.24	-17.82
West Midlands UKG00000	256.75	237.65	231.65	211.03	-7.44	-9.78	-17.81
Bretagne FR520000	157.29	146.95	142.94	129.29	-6.57	-9.12	-17.80
South East UKJ00000	149.13	138.38	134.82	122.58	-7.21	-9.60	-17.80
Ahvenanmaa/Åland FI200000	48.40	45.19	43.97	39.79	-6.65	-9.15	-17.79
Languedoc-Roussillon FR810000	96.28	90.06	87.54	79.17	-6.47	-9.08	-17.77
Vlaams Brabant BL240000	447.06	417.73	406.30	367.90	-6.56	-9.12	-17.71
Rioja ES230000	67.71	63.28	61.57	55.72	-6.54	-9.06	-17.70
Picardie FR220000	124.01	115.73	112.62	102.08	-6.68	-9.18	-17.69
Groningen NL110000	11.81	11.00	10.71	9.73	-6.85	-9.26	-17.59
Ionia nisia EL220000	44.59	41.72	40.60	36.76	-6.44	-8.95	-17.57
N. West (incl Merseyside) UKD00000	249.27	231.31	225.51	205.47	-7.20	-9.53	-17.57
Basse-Normandie FR250000	403.74	376.65	366.71	332.82	-6.71	-9.17	-17.56
Toscana IT510000	167.97	156.64	152.56	138.48	-6.74	-9.18	-17.56
Aragon ES240000	10.07	9.40	9.15	8.31	-6.70	-9.14	-17.55
Campania IT800000	375.16	349.84	340.72	309.34	-6.75	-9.18	-17.54
Extremadura ES430000	223.41	209.35	203.57	184.24	-6.29	-8.88	-17.53
Nord-Pas-De-Calais FR300000	265.56	247.92	241.36	219.05	-6.64	-9.11	-17.51
Thuringen DEG00000	51.90	48.64	47.29	42.81	-6.27	-8.87	-17.50
Voreio aigaio EL410000	36.48	34.23	33.28	30.09	-6.16	-8.77	-17.50
Champagne-Ardenne FR210000	206.50	192.82	187.72	170.41	-6.63	-9.10	-17.48
Provence-Alpes-Cote d'A FR820000	49.13	45.97	44.74	40.60	-6.44	-8.94	-17.37
Lorraine FR410000	360.06	336.27	327.47	297.59	-6.60	-9.05	-17.35
Eastern UKH00000	75.77	70.47	68.71	62.62	-6.99	-9.32	-17.35
Ipeiros EL210000	124.55	116.76	113.60	102.98	-6.25	-8.79	-17.32
Giessen DE720000	111.96	104.87	102.04	92.61	-6.33	-8.86	-17.29
Bourgogne FR260000	278.41	260.97	253.94	230.40	-6.26	-8.79	-17.25
Centre FR240000	106.21	99.52	96.86	87.92	-6.30	-8.80	-17.22
Anatoliki makedonia, Thraki EL110000	71.30	66.77	65.01	59.03	-6.36	-8.83	-17.21

NUTS 2 regions	Production in euros/ha UAA				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Oberoesterreich AT310000	237.60	222.06	216.35	196.77	-6.54	-8.94	-17.18
Niederösterreich AT120000	98.52	92.05	89.69	81.61	-6.57	-8.96	-17.16
Poitou-Charentes FR530000	161.62	151.38	147.38	133.91	-6.34	-8.81	-17.15
Norte PT110000	107.62	100.94	98.23	89.18	-6.21	-8.73	-17.14
Limburg (NL) NL420000	19.76	18.44	17.98	16.38	-6.67	-9.01	-17.12
Kentriki makedonia EL120000	57.01	53.50	52.08	47.26	-6.16	-8.64	-17.11
Castilla-Leon ES410000	203.16	190.18	185.25	168.44	-6.39	-8.82	-17.09
Andalucia ES610000	97.91	91.62	89.30	81.19	-6.43	-8.80	-17.08
Peloponnisos EL250000	22.00	20.65	20.11	18.25	-6.12	-8.60	-17.06
Burgenland AT110000	41.76	39.04	38.05	34.63	-6.49	-8.89	-17.06
Acores PT200000	483.83	452.54	440.93	401.27	-6.47	-8.87	-17.06
Dytiki ellada EL230000	80.29	75.29	73.30	66.62	-6.24	-8.70	-17.03
Sterea ellada EL240000	21.69	20.33	19.80	18.00	-6.27	-8.72	-17.02
Algarve PT150000	116.42	108.69	106.04	96.64	-6.63	-8.91	-16.99
Aquitaine FR610000	214.80	201.60	196.24	178.32	-6.14	-8.64	-16.98
Centro PT160000	108.84	102.00	99.35	90.38	-6.28	-8.72	-16.96
Castilla-la Mancha ES420000	40.77	38.02	37.12	33.90	-6.75	-8.97	-16.86
Valle d'Aosta IT120000	84.61	79.32	77.28	70.35	-6.25	-8.66	-16.85
Franche-Comte FR430000	190.09	178.05	173.55	158.13	-6.34	-8.70	-16.81
Thessalia EL140000	60.18	56.54	55.06	50.07	-6.05	-8.51	-16.80
Sachsen-Anhalt DEE00000	18.75	17.63	17.16	15.61	-5.98	-8.47	-16.74
Rhone-Alpes FR710000	169.39	158.91	154.85	141.07	-6.19	-8.58	-16.72
Alentejo PT180000	145.50	136.92	133.30	121.36	-5.89	-8.38	-16.59
Border, Midlands & Western IRO10000	486.86	456.51	445.14	406.18	-6.23	-8.57	-16.57
Vorarlberg AT340000	159.88	149.75	146.09	133.39	-6.33	-8.63	-16.57
Abruzzo IT710000	152.66	143.29	139.74	127.55	-6.14	-8.47	-16.45
Freiburg DE130000	87.23	81.97	79.90	72.89	-6.03	-8.41	-16.44
Tirol AT330000	155.70	145.99	142.44	130.19	-6.23	-8.51	-16.38
Midi-Pyrenees FR620000	214.16	201.60	196.46	179.26	-5.87	-8.27	-16.30
Murcia ES620000	23.80	22.25	21.76	19.93	-6.52	-8.59	-16.26
Unterfranken DE260000	85.01	79.77	77.83	71.20	-6.17	-8.44	-16.25
Steiermark AT220000	285.72	268.24	261.67	239.33	-6.12	-8.42	-16.24
Liguria IT130000	230.56	217.78	212.21	193.28	-5.54	-7.96	-16.17
Salzburg AT320000	229.80	215.80	210.59	192.72	-6.10	-8.36	-16.14
Pays de la loire FR510000	378.23	355.92	347.15	317.25	-5.90	-8.22	-16.12
Stuttgart DE110000	54.67	51.48	50.19	45.87	-5.84	-8.19	-16.10
Oberbayern DE210000	98.56	92.45	90.26	82.69	-6.20	-8.43	-16.10
Rheinessen-Pfalz DEB30000	47.38	44.63	43.51	39.76	-5.81	-8.18	-16.10
Pohjois-Suomi FI1A0000	103.63	96.92	94.75	86.95	-6.48	-8.57	-16.10
Comunidad de Madrid ES300000	117.63	110.16	107.64	98.72	-6.35	-8.49	-16.08
Comunidad Valenciana ES520000	53.95	50.76	49.58	45.29	-5.91	-8.09	-16.05
Madeira PT300000	900.37	846.40	826.24	756.52	-5.99	-8.23	-15.98
Southern and Eastern IRO20000	535.51	503.29	491.29	450.01	-6.02	-8.26	-15.97

NUTS 2 regions	Production in euros/ha UAA				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Canarias ES700000	37.02	34.67	33.91	31.11	-6.35	-8.40	-15.96
Stockholm SE010000	17.08	16.04	15.65	14.35	-6.11	-8.34	-15.96
Trier DEB20000	172.46	162.37	158.38	144.95	-5.85	-8.17	-15.95
Auvergne FR720000	334.29	315.13	307.34	281.01	-5.73	-8.06	-15.94
Etelae-Suomi FI180000	36.96	34.73	33.91	31.07	-6.03	-8.26	-15.94
Karlsruhe DE120000	161.67	152.07	148.40	135.96	-5.94	-8.21	-15.90
Baleares ES530000	33.63	31.51	30.83	28.33	-6.30	-8.34	-15.76
Tuebingen DE140000	91.61	86.23	84.18	77.21	-5.88	-8.12	-15.72
Oberpfalz DE230000	130.83	123.07	120.17	110.27	-5.93	-8.15	-15.71
Östra mellansverige SE020000	77.37	72.74	71.05	65.23	-5.99	-8.17	-15.70
Saarland DEC00000	243.95	229.83	224.37	205.81	-5.79	-8.03	-15.64
Arnsberg DEA50000	92.11	86.57	84.59	77.72	-6.02	-8.17	-15.62
Västssverige SE0A0000	114.01	107.28	104.78	96.22	-5.90	-8.10	-15.61
Kaernten AT210000	283.60	267.37	261.03	239.37	-5.73	-7.96	-15.60
Laensi-Suomi FI190000	113.62	106.82	104.38	95.91	-5.98	-8.13	-15.59
Norra mellansverige SE060000	153.59	144.70	141.27	129.69	-5.79	-8.02	-15.56
Hannover DE920000	138.15	130.00	126.98	116.67	-5.90	-8.09	-15.55
Mittelfranken DE250000	189.55	178.21	174.16	160.11	-5.98	-8.12	-15.53
Darmstadt DE710000	166.82	157.09	153.44	141.00	-5.83	-8.02	-15.47
Sydsverige SE040000	126.21	119.02	116.21	106.69	-5.69	-7.92	-15.47
Detmold DEA40000	144.27	135.93	132.76	122.00	-5.78	-7.98	-15.44
Koeln DEA20000	105.85	99.80	97.46	89.52	-5.71	-7.93	-15.43
Braunschweig DE910000	120.88	113.83	111.21	102.27	-5.83	-8.00	-15.40
Lueneburg DE930000	88.37	83.14	81.26	74.78	-5.92	-8.05	-15.38
Itae-Suomi FI130000	144.07	135.52	132.51	121.94	-5.93	-8.02	-15.36
Småland med öarna SE090000	217.83	205.36	200.67	184.66	-5.72	-7.87	-15.23
Niederbayern DE220000	184.10	173.43	169.53	156.10	-5.80	-7.92	-15.21
Limousin FR630000	603.94	571.02	557.60	512.12	-5.45	-7.67	-15.20
Duesseldorf DEA10000	171.87	162.13	158.42	145.82	-5.66	-7.83	-15.16
Övre norrland SE080000	100.30	94.44	92.36	85.14	-5.84	-7.92	-15.12
Muenster DEA30000	381.46	359.58	351.52	324.00	-5.74	-7.85	-15.06
Oberfranken DE240000	78.05	73.49	71.89	66.32	-5.84	-7.89	-15.03
Mellersta norrland SE070000	114.94	108.51	106.07	97.72	-5.59	-7.72	-14.98
Brandenburg DE400000	54.22	51.07	49.96	46.12	-5.80	-7.85	-14.94
Schwaben DE270000	79.31	74.72	73.10	67.47	-5.79	-7.83	-14.93
Weser-Ems DE940000	183.16	172.75	168.94	155.83	-5.69	-7.76	-14.92
Corse FR830000	237.27	224.86	219.65	202.00	-5.23	-7.43	-14.87
Bratislavský SK010000	69.97	65.43	64.03	59.58	-6.48	-8.48	-14.84
Severozapaden BG010000	33.98	31.69	31.08	28.95	-6.74	-8.53	-14.80
Kassel DE730000	71.93	67.88	66.42	61.40	-5.63	-7.67	-14.64
Schleswig-Holstein DEF00000	154.15	145.48	142.41	131.72	-5.63	-7.62	-14.55
Koblenz DEB10000	68.38	64.53	63.17	58.45	-5.62	-7.61	-14.51
Severen tsentralen BG020000	42.07	39.34	38.60	36.02	-6.49	-8.24	-14.38

NUTS 2 regions	Production in euros/ha UAA				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Yugozapaden BG040000	40.18	37.60	36.89	34.45	-6.43	-8.18	-14.27
Západné Slovensko SK020000	21.10	19.79	19.39	18.10	-6.20	-8.13	-14.25
Yuzhen tsentralen BG050000	36.57	34.23	33.59	31.36	-6.42	-8.16	-14.24
Yugoiztochen BG060000	39.30	36.78	36.10	33.71	-6.41	-8.16	-14.24
Severoiztochen BG030000	43.39	40.65	39.91	37.31	-6.31	-8.01	-14.00
Slovak Republic SK000000	27.06	25.42	24.91	23.28	-6.07	-7.94	-13.96
Východné Slovensko SK040000	42.30	39.76	38.99	36.45	-6.02	-7.84	-13.83
Malta MT000000	369.42	347.93	341.44	320.08	-5.82	-7.58	-13.36
Cyprus CY000000	95.55	90.02	88.30	82.92	-5.78	-7.58	-13.22
Dél-Dunántúl HU230000	5.82	5.49	5.38	5.06	-5.64	-7.52	-13.08
Mazowieckie PL120000	31.67	29.95	29.37	27.60	-5.42	-7.27	-12.85
Kujawsko-Pomorskie PL610000	61.42	58.02	56.91	53.53	-5.53	-7.33	-12.84
Bucuresti RO080000	47.81	45.05	44.32	41.74	-5.77	-7.29	-12.69
Dél-Alföld HU330000	5.85	5.53	5.42	5.11	-5.47	-7.27	-12.67
Stredné Slovensko SK030000	11.71	11.08	10.88	10.24	-5.36	-7.09	-12.58
Dolnoslaskie PL510000	3.37	3.19	3.13	2.95	-5.38	-7.17	-12.54
Nord-Est RO010000	44.87	42.35	41.67	39.30	-5.63	-7.13	-12.43
Wielkopolskie PL410000	65.27	61.77	60.64	57.16	-5.35	-7.10	-12.42
Slovenia SI000000	297.67	282.05	276.38	260.77	-5.25	-7.15	-12.40
Sud-Est RO020000	28.50	26.91	26.48	24.97	-5.59	-7.09	-12.37
Strední Morava CZ070000	10.61	10.06	9.85	9.30	-5.23	-7.17	-12.35
Sud RO030000	26.65	25.16	24.77	23.36	-5.58	-7.06	-12.33
Nord-Vest RO060000	24.25	22.90	22.54	21.26	-5.58	-7.06	-12.31
Centru RO070000	42.15	39.80	39.17	36.96	-5.58	-7.05	-12.30
Közép-Magyarország HU100000	8.83	8.36	8.21	7.74	-5.25	-7.04	-12.29
Lubelskie PL310000	30.76	29.16	28.62	26.99	-5.19	-6.95	-12.26
Sud-Vest RO040000	31.47	29.74	29.27	27.62	-5.51	-7.00	-12.23
Vest RO050000	23.33	22.05	21.70	20.48	-5.50	-6.98	-12.21
Praha CZ010000	51.49	48.80	47.85	45.22	-5.21	-7.07	-12.17
Strední Cechy CZ020000	26.97	25.56	25.08	23.69	-5.20	-7.02	-12.14
Denmark DK000000	69.25	66.07	64.93	60.87	-4.60	-6.24	-12.11
Opolskie PL520000	12.80	12.14	11.92	11.26	-5.20	-6.92	-12.09
Lubuskie PL430000	21.98	20.83	20.46	19.32	-5.23	-6.89	-12.08
Zachodniopomorskie PL420000	18.83	17.85	17.54	16.57	-5.21	-6.82	-11.98
Nyugat-Dunántúl HU220000	8.76	8.33	8.16	7.72	-5.00	-6.90	-11.97
Podlaskie PL340000	58.57	55.63	54.61	51.61	-5.01	-6.76	-11.87
Pomorskie PL630000	24.65	23.38	22.98	21.73	-5.13	-6.77	-11.85
Jihovýchod CZ060000	14.61	13.91	13.61	12.88	-4.81	-6.88	-11.84
Észak-Alföld HU320000	7.50	7.13	7.00	6.62	-4.95	-6.76	-11.78
Lódzkie PL110000	46.84	44.48	43.72	41.34	-5.04	-6.67	-11.75
Severovýchod CZ050000	19.09	18.23	17.78	16.85	-4.52	-6.88	-11.72
Jihozápad CZ030000	39.57	37.74	36.85	34.94	-4.63	-6.86	-11.69
Moravskoslezsko CZ080000	23.23	22.18	21.66	20.52	-4.52	-6.78	-11.69

NUTS 2 regions	Production in euros/ha UAA				Percentage change		
	Ref'nce	DDA	DM1	DM2	DDA	DM1	DM2
Közép-Dunántúl HU210000	9.24	8.79	8.63	8.16	-4.86	-6.68	-11.67
Warminsko-Mazurskie PL620000	25.67	24.39	23.96	22.67	-4.99	-6.63	-11.66
Malopolskie PL210000	44.62	42.46	41.74	39.56	-4.85	-6.46	-11.36
Severozápad CZ040000	36.27	34.57	33.89	32.17	-4.68	-6.54	-11.30
Swietokrzyskie PL330000	27.90	26.58	26.13	24.76	-4.75	-6.35	-11.25
Podkarpackie PL320000	13.52	12.90	12.69	12.03	-4.60	-6.17	-11.00
Slaskie PL220000	31.96	30.46	29.97	28.45	-4.68	-6.21	-10.96
Észak-Magyarország HU310000	6.41	6.16	6.05	5.77	-3.98	-5.67	-9.97
Lithuania LT000000	8.59	8.25	8.12	7.77	-3.90	-5.43	-9.55
Estonia EE000000	11.92	11.52	11.31	10.82	-3.37	-5.10	-9.23
Latvia LV000000	16.05	15.48	15.23	14.67	-3.59	-5.14	-8.65

Source: CAPRI simulation results.

Table A5.5: EU agricultural revenue at NUTS 2 level (post-Doha scenarios)

NUTS 2 regions	Revenues in euros per ha UAA				Percentage change		
	Ref'nce	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
Kriti EL430000	1,970.64	1,808.59	1,802.76	1,794.37	-8.22	-8.52	-8.94
Luxembourg (B) BL340000	3,632.32	3,515.46	3,469.98	3,322.29	-3.22	-4.47	-8.54
Limousin FR630000	1,782.07	1,725.27	1,702.17	1,632.73	-3.19	-4.48	-8.38
Border, Midlands & Western IR010000	1,929.95	1,869.97	1,847.59	1,773.18	-3.11	-4.27	-8.12
Peloponnisos EL250000	1,510.36	1,416.59	1,404.86	1,398.22	-6.21	-6.99	-7.43
Salzburg AT320000	1,076.20	1,044.73	1,033.32	996.87	-2.92	-3.98	-7.37
Scotland UKM00000	871.02	843.80	835.62	809.15	-3.13	-4.06	-7.10
North East UKC00000	1,235.21	1,196.21	1,185.46	1,150.05	-3.16	-4.03	-6.89
Southern and Eastern IR020000	2,585.58	2,515.09	2,490.08	2,407.98	-2.73	-3.69	-6.87
Vorarlberg AT340000	1,236.93	1,203.00	1,191.63	1,155.49	-2.74	-3.66	-6.58
Calabria IT930000	3,452.19	3,276.72	3,255.71	3,228.12	-5.08	-5.69	-6.49
Auvergne FR720000	1,701.17	1,656.76	1,641.72	1,590.99	-2.61	-3.49	-6.48
Northern Ireland UKN00000	3,254.82	3,154.23	3,128.44	3,044.47	-3.09	-3.88	-6.46
Wales UKL00000	2,002.08	1,942.09	1,926.67	1,874.66	-3.00	-3.77	-6.36
Corse FR830000	937.66	916.49	908.25	880.66	-2.26	-3.14	-6.08
Nmanur BL350000	3,603.63	3,518.86	3,487.56	3,388.52	-2.35	-3.22	-5.97
Asturias ES120000	1,393.82	1,361.67	1,349.07	1,310.75	-2.31	-3.21	-5.96
Lorraine FR410000	2,038.58	1,988.29	1,971.36	1,917.35	-2.47	-3.30	-5.95
Kaernten AT210000	1,507.20	1,472.15	1,460.14	1,419.03	-2.33	-3.12	-5.85
Tirol AT330000	1,138.22	1,112.21	1,103.14	1,072.03	-2.29	-3.08	-5.82
Ionia nisia EL220000	1,699.91	1,616.64	1,611.01	1,602.01	-4.90	-5.23	-5.76
Basse-Normandie FR250000	2,961.63	2,889.62	2,866.86	2,795.09	-2.43	-3.20	-5.62
Pais vasco ES210000	1,330.70	1,301.24	1,291.29	1,258.77	-2.21	-2.96	-5.41
Franche-Comte FR430000	2,006.73	1,961.76	1,948.15	1,902.34	-2.24	-2.92	-5.20
South West UKK00000	2,734.76	2,664.22	2,646.46	2,592.64	-2.58	-3.23	-5.20
Liguria IT130000	2,181.90	2,123.84	2,109.62	2,071.19	-2.66	-3.31	-5.07
N. West (incl. Merseyside) UKD00000	3,180.89	3,097.56	3,080.63	3,020.59	-2.62	-3.15	-5.04
Notio aigaiio EL420000	1,026.44	987.81	984.08	975.34	-3.76	-4.13	-4.98
Bourgogne FR260000	1,846.45	1,810.76	1,797.43	1,754.63	-1.93	-2.66	-4.97
West Midlands UKG00000	3,108.59	3,028.45	3,006.54	2,954.29	-2.58	-3.28	-4.96
Sardegna ITB00000	1,469.54	1,439.58	1,428.25	1,397.31	-2.04	-2.81	-4.91
Luxembourg (G-Duché) BL400000	3,514.16	3,443.96	3,414.05	3,343.53	-2.00	-2.85	-4.86
Norra mellansverige SE060000	1,099.59	1,077.46	1,070.05	1,046.69	-2.01	-2.69	-4.81
Acores PT200000	6,765.16	6,610.10	6,535.99	6,446.77	-2.29	-3.39	-4.71
Attiki EL300000	1,373.98	1,325.60	1,316.71	1,310.07	-3.52	-4.17	-4.65
Cantabria ES130000	2,124.48	2,083.83	2,070.66	2,025.67	-1.91	-2.53	-4.65
Piemonte IT110000	3,268.57	3,204.85	3,184.80	3,117.15	-1.95	-2.56	-4.63
Puglia IT910000	3,080.23	2,977.90	2,959.92	2,938.01	-3.32	-3.91	-4.62
Haute-Normandie FR230000	2,804.84	2,749.20	2,730.45	2,675.72	-1.98	-2.65	-4.60
Andalucia ES610000	1,812.91	1,758.98	1,748.51	1,731.93	-2.97	-3.55	-4.47
Extremadura ES430000	1,531.80	1,502.01	1,491.13	1,463.63	-1.95	-2.66	-4.45

NUTS 2 regions	Revenues in euros per ha UAA				Percentage change		
	Ref'nce	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
Basilicata IT920000	1,850.46	1,814.11	1,799.52	1,769.01	-1.96	-2.75	-4.40
Oberoesterreich AT310000	2,583.94	2,534.95	2,519.41	2,471.14	-1.90	-2.50	-4.37
Steiermark AT220000	2,887.54	2,830.53	2,805.91	2,762.41	-1.97	-2.83	-4.33
South East UKJ00000	2,665.63	2,606.97	2,588.08	2,553.05	-2.20	-2.91	-4.22
Lazio IT600000	3,295.50	3,229.35	3,206.83	3,157.03	-2.01	-2.69	-4.20
Canarias ES700000	59,426.25	58,032.48	57,045.14	56,977.79	-2.35	-4.01	-4.12
Pays de la Loire FR510000	3,608.10	3,540.71	3,520.75	3,460.23	-1.87	-2.42	-4.10
Campania IT800000	4,614.71	4,521.47	4,485.21	4,425.73	-2.02	-2.81	-4.09
Yorkshire and The Humber UKE00000	2,506.28	2,453.32	2,441.91	2,405.11	-2.11	-2.57	-4.04
Mellersta norrland SE070000	1,384.84	1,359.33	1,351.90	1,329.35	-1.84	-2.38	-4.01
Castilla-Leon ES410000	1,446.56	1,422.78	1,414.28	1,388.66	-1.64	-2.23	-4.00
Alentejo PT180000	1,400.42	1,376.55	1,368.36	1,344.97	-1.70	-2.29	-3.96
Midi-Pyrenees FR620000	2,159.58	2,123.65	2,108.77	2,074.92	-1.66	-2.35	-3.92
Umbria IT520000	2,646.06	2,595.00	2,581.04	2,542.81	-1.93	-2.46	-3.90
Molise IT720000	2,395.33	2,347.04	2,336.34	2,302.20	-2.02	-2.46	-3.89
Comunidad Valenciana ES520000	4,100.63	4,029.76	3,957.47	3,941.74	-1.73	-3.49	-3.87
Friesland NL120000	8,556.25	8,405.45	8,364.58	8,224.73	-1.76	-2.24	-3.87
Hainaut BL320000	5,756.28	5,666.79	5,631.80	5,535.89	-1.55	-2.16	-3.83
Marche IT530000	2,278.97	2,241.61	2,226.41	2,193.33	-1.64	-2.31	-3.76
Overijssel NL210000	9,947.78	9,776.73	9,731.68	9,574.37	-1.72	-2.17	-3.75
Algarve PT150000	2,655.86	2,608.62	2,577.10	2,556.43	-1.78	-2.97	-3.74
Galicia ES110000	2,128.42	2,093.30	2,081.45	2,049.36	-1.65	-2.21	-3.71
Valle d'Aosta IT120000	3,958.80	3,890.04	3,874.71	3,811.79	-1.74	-2.12	-3.71
Madeira PT300000	33,848.32	33,168.02	32,732.27	32,591.50	-2.01	-3.30	-3.71
Antwerpen BL210000	10,792.35	10,607.87	10,562.01	10,398.64	-1.71	-2.13	-3.65
Nord-Pas-De-Calais FR300000	3,631.90	3,569.49	3,552.80	3,499.43	-1.72	-2.18	-3.65
Saarland DEC00000	2,362.24	2,323.99	2,312.44	2,276.65	-1.62	-2.11	-3.62
Voreio aigaio EL410000	1,057.80	1,031.09	1,027.75	1,019.98	-2.53	-2.84	-3.58
Rhone-Alpes FR710000	3,225.39	3,169.86	3,145.06	3,110.02	-1.72	-2.49	-3.58
East Midlands UKF00000	2,643.76	2,592.33	2,581.68	2,549.35	-1.95	-2.35	-3.57
Liege BL330000	6,694.08	6,595.79	6,560.42	6,460.90	-1.47	-2.00	-3.48
Dytiki ellada EL230000	2,063.75	2,013.04	2,006.04	1,992.07	-2.46	-2.80	-3.47
Pohjois-Suomi FI1A0000	1,717.48	1,688.68	1,681.49	1,657.96	-1.68	-2.10	-3.47
Lombardia IT200000	7,748.99	7,626.40	7,591.53	7,488.64	-1.58	-2.03	-3.36
Veneto IT320000	5,642.10	5,558.00	5,527.52	5,452.88	-1.49	-2.03	-3.35
Vlaams Brabant BL240000	7,569.48	7,459.22	7,411.66	7,317.31	-1.46	-2.08	-3.33
Toscana IT510000	2,558.67	2,517.36	2,503.36	2,473.40	-1.61	-2.16	-3.33
Champagne-Ardenne FR210000	2,212.77	2,181.72	2,171.50	2,139.53	-1.40	-1.87	-3.31
Mittelfranken DE250000	3,013.74	2,969.04	2,956.82	2,915.60	-1.48	-1.89	-3.26
Ahvenanmaa/Åland FI200000	733.71	723.63	720.62	709.86	-1.37	-1.78	-3.25
Östra mellansverige SE020000	1,179.32	1,162.61	1,157.61	1,141.39	-1.42	-1.84	-3.22
Oost-Vlaanderen BL230000	9,658.09	9,519.21	9,478.11	9,348.49	-1.44	-1.86	-3.21

NUTS 2 regions	Revenues in euros per ha UAA				Percentage change		
	Ref'nce	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
Småland med öarna SE090000	2,720.83	2,681.02	2,670.35	2,634.27	-1.46	-1.86	-3.18
Abruzzo IT710000	3,255.82	3,197.64	3,183.73	3,153.09	-1.79	-2.21	-3.16
Stockholm SE010000	803.83	792.86	789.31	778.58	-1.37	-1.81	-3.14
Oberpfalz DE230000	2,905.30	2,864.00	2,852.83	2,815.33	-1.42	-1.81	-3.10
Ipeiros EL210000	2,886.15	2,832.27	2,820.75	2,796.59	-1.87	-2.27	-3.10
Emilia-Romagna IT400000	8,132.58	8,003.55	7,933.52	7,881.24	-1.59	-2.45	-3.09
Utrecht NL310000	14,048.94	13,852.30	13,788.48	13,614.14	-1.40	-1.85	-3.09
Brabant Wallon BL310000	5,406.75	5,337.23	5,309.61	5,242.21	-1.29	-1.80	-3.04
Itae-Suomi FI130000	2,534.10	2,498.86	2,488.75	2,457.83	-1.39	-1.79	-3.01
Övre norrland SE080000	1,586.02	1,563.12	1,556.27	1,538.20	-1.44	-1.88	-3.01
Bretagne FR520000	5,243.41	5,162.58	5,146.20	5,086.24	-1.54	-1.85	-3.00
Sicilia ITA00000	3,568.33	3,513.46	3,486.52	3,461.87	-1.54	-2.29	-2.98
Lisboa PT170000	4,583.25	4,521.81	4,500.22	4,448.27	-1.34	-1.81	-2.95
Trentino-Alto Adige IT310000	3,015.14	2,978.03	2,960.41	2,926.65	-1.23	-1.82	-2.93
Laensi-Suomi FI190000	1,808.79	1,783.96	1,777.66	1,756.14	-1.37	-1.72	-2.91
Gelderland NL220000	15,445.12	15,240.33	15,178.56	14,997.93	-1.33	-1.73	-2.90
Comunidad de Madrid ES300000	1,710.26	1,686.38	1,677.74	1,660.90	-1.40	-1.90	-2.89
Eastern UKH00000	2,841.52	2,796.02	2,786.13	2,760.92	-1.60	-1.95	-2.84
Limburg (B) BL220000	13,133.46	12,954.54	12,877.25	12,762.28	-1.36	-1.95	-2.83
Västsverige SE0A0000	2,242.47	2,211.52	2,203.79	2,178.98	-1.38	-1.72	-2.83
Slovenia SI000000	2,588.67	2,550.96	2,543.32	2,515.75	-1.46	-1.75	-2.82
Poitou-Charentes FR530000	2,649.52	2,616.67	2,605.93	2,574.84	-1.24	-1.65	-2.82
Karlsruhe DE120000	2,304.66	2,277.41	2,267.60	2,240.22	-1.18	-1.61	-2.80
Centre FR240000	1,919.01	1,896.02	1,887.32	1,865.33	-1.20	-1.65	-2.80
Schwaben DE270000	3,791.99	3,739.78	3,727.77	3,686.15	-1.38	-1.69	-2.79
Giessen DE720000	2,583.28	2,550.40	2,541.16	2,511.23	-1.27	-1.63	-2.79
Baleares ES530000	1,016.31	1,002.79	995.33	988.32	-1.33	-2.06	-2.75
Niederösterreich AT120000	2,327.15	2,298.93	2,289.05	2,263.06	-1.21	-1.64	-2.75
Centro PT160000	2,500.76	2,467.45	2,454.73	2,432.09	-1.33	-1.84	-2.75
Picardie FR220000	2,686.89	2,652.92	2,642.62	2,613.24	-1.26	-1.65	-2.74
Aquitaine FR610000	3,914.29	3,864.80	3,843.69	3,807.47	-1.26	-1.80	-2.73
Sydsverige SE040000	2,020.44	1,994.42	1,986.24	1,965.35	-1.29	-1.69	-2.73
Darmstadt DE710000	2,711.29	2,679.27	2,668.87	2,637.94	-1.18	-1.56	-2.71
Etelä-Suomi FI180000	1,583.55	1,562.91	1,555.95	1,541.43	-1.30	-1.74	-2.66
Alsace FR420000	2,632.74	2,600.98	2,591.02	2,563.73	-1.21	-1.58	-2.62
Cyprus CY000000	5,386.80	5,290.73	5,270.39	5,246.78	-1.78	-2.16	-2.60
Navarra ES220000	1,443.20	1,426.44	1,420.65	1,406.16	-1.16	-1.56	-2.57
Schleswig-Holstein DEF00000	3,919.54	3,871.17	3,859.32	3,819.46	-1.23	-1.54	-2.55
Dytiki makedonia EL130000	1,571.91	1,551.70	1,543.36	1,532.01	-1.29	-1.82	-2.54
Kentriki makedonia EL120000	3,232.08	3,189.93	3,163.97	3,150.35	-1.30	-2.11	-2.53
Niederbayern DE220000	3,460.10	3,420.55	3,408.93	3,373.42	-1.14	-1.48	-2.51
Oberfranken DE240000	3,086.67	3,049.81	3,038.63	3,009.29	-1.19	-1.56	-2.51

NUTS 2 regions	Revenues in euros per ha UAA				Percentage change		
	Ref'nce	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
Drenthe NL130000	8,579.14	8,475.96	8,448.51	8,363.95	-1.20	-1.52	-2.51
Yugozapaden BG040000	796.21	785.71	783.43	776.32	-1.32	-1.60	-2.50
Weat-Vlaanderen BL250000	12,632.12	12,481.82	12,441.93	12,319.11	-1.19	-1.51	-2.48
Rioja ES230000	1,380.80	1,365.84	1,358.54	1,347.12	-1.08	-1.61	-2.44
Norte PT110000	2,714.65	2,682.62	2,673.36	2,648.78	-1.18	-1.52	-2.43
Cataluna ES510000	3,378.54	3,336.95	3,316.85	3,296.68	-1.23	-1.83	-2.42
Oberbayern DE210000	4,271.57	4,223.83	4,210.71	4,169.55	-1.12	-1.42	-2.39
Brandenburg DE400000	2,499.87	2,471.22	2,462.23	2,440.70	-1.15	-1.51	-2.37
Stereia ellada EL240000	1,881.25	1,848.99	1,843.41	1,836.83	-1.71	-2.01	-2.36
Thuringen DEG00000	2,416.29	2,389.31	2,382.29	2,361.22	-1.12	-1.41	-2.28
Groningen NL110000	9,431.78	9,331.11	9,302.64	9,217.74	-1.07	-1.37	-2.27
Severen tsentralen BG020000	741.20	732.80	730.65	724.39	-1.13	-1.42	-2.27
Braunschweig DE910000	2,379.43	2,354.81	2,347.96	2,325.94	-1.03	-1.32	-2.25
Koeln DEA20000	3,844.31	3,801.92	3,790.76	3,758.29	-1.10	-1.39	-2.24
Murcia ES620000	3,734.02	3,695.41	3,661.91	3,650.33	-1.03	-1.93	-2.24
Weser-Ems DE940000	6,427.08	6,350.83	6,337.54	6,283.71	-1.19	-1.39	-2.23
Trier DEB20000	3,734.09	3,695.61	3,685.30	3,651.14	-1.03	-1.31	-2.22
Friuli-Venezia Giulia IT330000	3,481.46	3,443.86	3,434.38	3,404.30	-1.08	-1.35	-2.22
Hannover DE920000	3,500.40	3,462.15	3,453.02	3,422.96	-1.09	-1.35	-2.21
Freiburg DE130000	3,385.00	3,349.49	3,334.88	3,310.62	-1.05	-1.48	-2.20
Sachsen DED00000	2,693.27	2,662.86	2,655.12	2,634.30	-1.13	-1.42	-2.19
Severozapaden BG010000	935.52	924.89	922.72	915.26	-1.14	-1.37	-2.17
Lueneburg DE930000	5,225.23	5,169.70	5,154.68	5,116.34	-1.06	-1.35	-2.08
Yugoiztochen BG060000	819.68	811.26	809.07	802.73	-1.03	-1.30	-2.07
Muenster DEA30000	5,548.48	5,492.62	5,479.84	5,434.76	-1.01	-1.24	-2.05
Yuzhen tsentralen BG050000	1,007.92	997.21	994.71	987.43	-1.06	-1.31	-2.03
Tuebingen DE140000	3,982.77	3,944.10	3,929.88	3,902.37	-0.97	-1.33	-2.02
Unterfranken DE260000	2,816.45	2,790.43	2,781.27	2,759.74	-0.92	-1.25	-2.01
Podlaskie PL340000	1,384.17	1,366.40	1,365.88	1,356.56	-1.28	-1.32	-2.00
Sachsen-Anhalt DEE00000	2,390.96	2,366.65	2,360.38	2,343.29	-1.02	-1.28	-1.99
Lódzkie PL110000	1,381.65	1,361.82	1,362.09	1,354.47	-1.44	-1.42	-1.97
Severoiztochen BG030000	1,062.52	1,051.67	1,049.24	1,041.54	-1.02	-1.25	-1.97
Stuttgart DE110000	3,202.05	3,171.34	3,162.57	3,139.24	-0.96	-1.23	-1.96
Anatoliki makedonia, Thraki EL110000	2,298.77	2,273.36	2,266.26	2,253.75	-1.11	-1.41	-1.96
Castilla-la Mancha ES420000	1,631.50	1,616.08	1,610.44	1,599.70	-0.95	-1.29	-1.95
Mecklenburg-vorpommern DE800000	2,476.51	2,451.85	2,445.88	2,428.56	-1.00	-1.24	-1.94
Mazowieckie PL120000	1,326.89	1,308.51	1,307.94	1,301.23	-1.38	-1.43	-1.93
Kassel DE730000	3,373.20	3,341.72	3,333.52	3,308.33	-0.93	-1.18	-1.92
Východné Slovensko SK040000	713.88	705.31	706.00	700.58	-1.20	-1.10	-1.86
Duesseldorf DEA10000	5,675.12	5,622.07	5,608.25	5,570.44	-0.93	-1.18	-1.84
Detmold DEA40000	3,896.82	3,861.13	3,852.72	3,825.21	-0.92	-1.13	-1.84

NUTS 2 regions	Revenues in euros per ha UAA				Percentage change		
	Ref'nce	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
Zuid-Holland NL330000	12,492.55	12,386.36	12,348.78	12,263.41	-0.85	-1.15	-1.83
Arnsberg DEA50000	4,278.02	4,238.92	4,230.11	4,200.39	-0.91	-1.12	-1.81
Denmark DK000000	4,024.89	3,990.95	3,983.91	3,956.75	-0.84	-1.02	-1.69
Aragon ES240000	1,769.28	1,754.50	1,747.91	1,739.37	-0.84	-1.21	-1.69
Nord-Est R0010000	1,530.22	1,516.18	1,513.34	1,504.30	-0.92	-1.10	-1.69
Stredné Slovensko SK030000	762.73	754.09	754.90	749.96	-1.13	-1.03	-1.68
Ile de france FR100000	1,781.02	1,767.62	1,762.34	1,751.52	-0.75	-1.05	-1.66
Wielkopolskie PL410000	1,685.37	1,664.51	1,667.05	1,657.56	-1.24	-1.09	-1.65
Swietokrzyskie PL330000	1,184.32	1,168.53	1,170.31	1,164.87	-1.33	-1.18	-1.64
Bratislavský SK010000	1,156.14	1,143.87	1,145.50	1,137.15	-1.06	-0.92	-1.64
Bucuresti R0080000	1,860.42	1,843.06	1,839.92	1,830.05	-0.93	-1.10	-1.63
Centru R0070000	1,482.61	1,469.28	1,466.83	1,458.83	-0.90	-1.06	-1.60
Malopolskie PL210000	1,119.66	1,106.58	1,108.08	1,102.16	-1.17	-1.03	-1.56
Sud R0030000	1,374.54	1,362.79	1,360.38	1,353.13	-0.85	-1.03	-1.56
Vest R0050000	1,216.91	1,206.28	1,204.08	1,197.89	-0.87	-1.05	-1.56
Burgenland AT110000	2,214.47	2,199.82	2,194.29	2,180.39	-0.66	-0.91	-1.54
Slaskie PL220000	1,312.83	1,296.85	1,300.29	1,293.08	-1.22	-0.96	-1.50
Malta MT000000	15,955.09	15,809.07	15,782.81	15,718.25	-0.92	-1.08	-1.48
Sud-Vest R0040000	1,339.08	1,328.53	1,326.12	1,319.32	-0.79	-0.97	-1.48
Thessalia EL140000	3,222.48	3,198.20	3,186.49	3,175.06	-0.75	-1.12	-1.47
Noord-Brabant NL410000	22,055.79	21,890.94	21,850.73	21,734.16	-0.75	-0.93	-1.46
Nord-Vest R0060000	1,439.38	1,427.86	1,425.46	1,418.37	-0.80	-0.97	-1.46
Noord-Holland NL320000	14,696.53	14,603.95	14,563.15	14,486.75	-0.63	-0.91	-1.43
Kujawsko-Pomorskie PL610000	1,495.44	1,478.18	1,482.33	1,474.01	-1.15	-0.88	-1.43
Sud-Est R0020000	1,428.71	1,418.07	1,415.81	1,408.91	-0.74	-0.90	-1.39
Slovak Republic SK000000	1,026.88	1,016.05	1,018.90	1,012.92	-1.06	-0.78	-1.36
Lubelskie PL310000	1,113.60	1,100.35	1,104.31	1,099.02	-1.19	-0.83	-1.31
Lubuskie PL430000	1,049.19	1,036.78	1,042.29	1,036.44	-1.18	-0.66	-1.22
Languedoc-Roussillon FR810000	3,949.87	3,930.77	3,923.79	3,903.26	-0.48	-0.66	-1.18
Podkarpackie PL320000	950.50	940.23	943.75	939.35	-1.08	-0.71	-1.17
Rheinessen-Pfalz DEB30000	5,367.92	5,339.12	5,324.51	5,305.93	-0.54	-0.81	-1.15
Koblenz DEB10000	8,015.78	7,974.03	7,962.98	7,927.63	-0.52	-0.66	-1.10
Limburg (NL) NL420000	22,057.67	21,926.25	21,890.19	21,814.15	-0.60	-0.76	-1.10
Západné Slovensko SK020000	1,375.87	1,362.39	1,367.90	1,361.16	-0.98	-0.58	-1.07
Provence-Alpes-Cote d'A. FR820000	3,385.00	3,369.87	3,364.47	3,349.08	-0.45	-0.61	-1.06
Jihovýchod CZ060000	1,445.78	1,429.77	1,435.85	1,430.66	-1.11	-0.69	-1.05
Jihozápad CZ030000	1,200.43	1,186.90	1,194.38	1,188.25	-1.13	-0.50	-1.01
Warminsko-Mazurskie PL620000	998.33	987.97	993.41	988.22	-1.04	-0.49	-1.01
Pomorskie PL630000	1,187.16	1,174.09	1,180.42	1,175.18	-1.10	-0.57	-1.01
Flevoland NL230000	20,363.01	20,273.64	20,229.01	20,172.89	-0.44	-0.66	-0.93
Közép-Magyarország HU100000	1,300.05	1,288.50	1,292.70	1,287.95	-0.89	-0.57	-0.93
Moravskoslezsko CZ080000	1,218.50	1,205.72	1,213.17	1,207.81	-1.05	-0.44	-0.88

NUTS 2 regions	Revenues in euros per ha UAA				Percentage change		
	Ref'nce	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
Közép-Dunántúl HU210000	1,360.33	1,348.25	1,353.55	1,348.56	-0.89	-0.50	-0.87
Nyugat-Dunántúl HU220000	1,258.62	1,247.78	1,252.81	1,248.12	-0.86	-0.46	-0.83
Zeeland NL340000	20,030.54	19,949.22	19,906.21	19,868.13	-0.41	-0.62	-0.81
Észak-Alföld HU320000	1,386.97	1,374.47	1,380.84	1,376.06	-0.90	-0.44	-0.79
Severovýchod CZ050000	1,277.28	1,264.60	1,273.30	1,267.92	-0.99	-0.31	-0.73
Opolskie PL520000	1,424.50	1,411.63	1,419.61	1,414.08	-0.90	-0.34	-0.73
Latvia LV000000	593.81	588.25	592.56	589.68	-0.94	-0.21	-0.70
Dél-Alföld HU330000	1,452.66	1,439.37	1,447.66	1,442.52	-0.91	-0.34	-0.70
Zachodniopomorskie PL420000	1,082.84	1,072.19	1,080.18	1,075.51	-0.98	-0.25	-0.68
Dél-Dunántúl HU230000	1,332.27	1,321.27	1,328.26	1,323.61	-0.83	-0.30	-0.65
Střední Morava CZ070000	1,351.19	1,339.56	1,347.73	1,342.60	-0.86	-0.26	-0.64
Észak-Magyarország HU310000	1,099.02	1,090.49	1,095.97	1,092.81	-0.78	-0.28	-0.57
Střední Čechy CZ020000	1,247.05	1,236.15	1,245.33	1,240.12	-0.87	-0.14	-0.56
Estonia EE000000	800.34	795.33	799.32	796.25	-0.63	-0.13	-0.51
Lithuania LT000000	886.03	879.83	884.77	881.50	-0.70	-0.14	-0.51
Praha CZ010000	1,205.52	1,195.52	1,205.68	1,200.05	-0.83	0.01	-0.45
Dolnoślaskie PL510000	1,086.69	1,078.19	1,086.12	1,082.29	-0.78	-0.05	-0.41
Severozápad CZ040000	1,093.70	1,083.30	1,097.38	1,091.95	-0.95	0.34	-0.16

Source: CAPRI simulation results.

Table A5.6: Total exports EU (post-Doha scenarios)

	Reference scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	1000 tons				%		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	28,033.2	850.6	2,220.8	2,369.3	3.0	7.9	8.5
Wheat	23,251.5	305.9	1,616.6	1,726.1	1.3	7.0	7.4
Rye and meslin	360.7	10.5	11.0	10.9	2.9	3.0	3.0
Barley	3,471.0	443.5	505.1	532.8	12.8	14.6	15.3
Oats	515.4	85.1	86.3	91.3	16.5	16.8	17.7
Grain maize	222.9	23.2	21.2	27.3	10.4	9.5	12.2
Other cereals	211.7	-17.6	-19.3	-19.1	-8.3	-9.1	-9.0
Oilseeds	1,406.2	20.0	25.9	26.6	1.4	1.8	1.9
Rape seed	392.5	1.7	5.1	5.5	0.4	1.3	1.4
Sunflower seed	716.8	13.2	14.9	15.1	1.8	2.1	2.1
Soybeans	296.9	5.2	5.8	6.1	1.7	2.0	2.0
Other arable crops	1,255.3	142.7	164.7	179.1	11.4	13.1	14.3
Pulses	969.6	117.5	141.4	153.8	12.1	14.6	15.9
Potatoes	285.7	25.3	23.4	25.3	8.8	8.2	8.8
Vegetables & permanent crops	3,351.4	119.2	213.8	217.3	3.6	6.4	6.5
Tomatoes	232.1	15.7	79.9	80.0	6.7	34.4	34.5
Other vegetables	534.4	56.3	58.8	58.4	10.5	11.0	10.9
Apples, pears etc	1,296.5	17.0	20.4	24.3	1.3	1.6	1.9
Table grapes	52.7	7.8	11.5	11.5	14.8	21.9	21.9
Citrus fruits	95.8	2.0	6.4	6.0	2.1	6.6	6.3
Other fruits	140.9	16.7	27.7	27.9	11.8	19.7	19.8
Table olives	130.2	-0.5	2.6	2.6	-0.4	2.0	2.0
Wine	868.8	4.3	6.4	6.4	0.5	0.7	0.7
Flax and hemp	57.7	-2.8	0.0	0.6	-4.9	0.0	1.1
Meat	2,835.6	-14.7	7.5	129.8	-0.5	0.3	4.6
Beef	180.7	13.4	33.1	127.3	7.4	18.3	70.4
Pork	2,297.0	7.5	7.7	15.5	0.3	0.3	0.7
Sheep & goat meat	25.9	1.9	2.0	2.2	7.4	7.6	8.6
Poultry meat	331.9	-37.5	-35.4	-15.1	-11.3	-10.7	-4.6
Dairy products	2,447.3	17.7	17.6	11.3	0.7	0.7	0.5
Butter	18.1	14.1	14.5	14.2	77.7	79.7	78.5
SMP	157.1	-4.5	-6.8	-5.2	-2.8	-4.3	-3.3
Cheese	444.0	25.0	27.0	24.1	5.6	6.1	5.4
Fresh milk products	110.7	3.4	3.4	3.3	3.0	3.1	3.0
Cream	233.2	8.8	8.8	8.9	3.8	3.8	3.8
Concentrated milk	216.4	5.8	5.1	6.3	2.7	2.4	2.9
Whole milk powder	332.7	2.1	4.1	2.4	0.6	1.2	0.7
Casein	7.7	-0.2	-0.2	-0.3	-2.2	-2.5	-3.6
Whey powder	927.4	-36.9	-38.4	-42.5	-4.0	-4.1	-4.6
Oils	660.7	100.6	106.9	107.6	15.2	16.2	16.3
Rape seed oil	529.9	67.2	71.0	71.2	12.7	13.4	13.4
Sunflower seed oil	93.4	11.5	12.4	12.3	12.3	13.3	13.2
Soya oil	5.5	1.1	1.7	1.7	19.5	31.1	30.7
Olive oil	31.9	20.9	21.8	22.4	65.5	68.3	70.3
Oil cakes	5,632.7	144.5	158.6	149.6	2.6	2.8	2.7
Rape seed	3,544.6	307.3	319.0	309.8	8.7	9.0	8.7
Sunflower seed	659.7	-1.3	-1.0	1.5	-0.2	-0.1	0.2
Soya cake	1,428.4	-161.5	-159.4	-161.6	-11.3	-11.2	-11.3
Rice milled	56.1	-51.4	-51.4	-51.3	-91.7	-91.7	-91.6
Sugar	237.5	-2.4	-1.9	-1.4	-1.0	-0.8	-0.6

Source : CAPRI simulation results.

Table A5.7: Total imports European Union (post-Doha scenarios)

	Reference scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	1000 tons				%		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	3,960.6	-237.0	-221.0	-260.0	-6.0	-5.6	-6.6
Wheat	710.1	-28.9	-30.3	-35.8	-4.1	-4.3	-5.0
Rye and meslin	263.8	-5.6	-4.7	-8.7	-2.1	-1.8	-3.3
Barley	44.4	-0.4	2.2	1.9	-0.9	4.9	4.3
Oats	17.4	-0.9	0.3	0.3	-5.4	1.5	1.8
Grain maize	866.7	-28.3	-22.0	-31.6	-3.3	-2.5	-3.6
Other cereals	2,058.1	-172.9	-166.5	-186.1	-8.4	-8.1	-9.0
Oilseeds	19,057.8	-135.1	-186.3	-236.3	-0.7	-1.0	-1.2
Rape seed	5,156.5	6.6	6.4	0.0	0.1	0.1	0.0
Sunflower seed	1,396.3	-55.7	-84.9	-85.0	-4.0	-6.1	-6.1
Soybeans	12,505.0	-86.0	-107.9	-151.3	-0.7	-0.9	-1.2
Other arable crops	3,319.9	731.5	743.9	726.6	22.0	22.4	21.9
Pulses	1,240.9	21.9	18.2	-2.4	1.8	1.5	-0.2
Potatoes	2,079.1	709.6	725.7	729.0	34.1	34.9	35.1
Vegetables and permanent crops	17,320.7	406.1	990.2	1,003.0	2.3	5.7	5.8
Tomatoes	275.4	133.5	136.7	136.5	48.5	49.6	49.6
Other vegetables	1,912.9	79.4	208.5	207.8	4.2	10.9	10.9
Apples, pears, etc	2,938.6	-31.9	-71.8	-83.3	-1.1	-2.4	-2.8
Table grapes	887.1	42.6	56.1	53.5	4.8	6.3	6.0
Citrus fruits	9,690.5	50.4	347.4	379.2	0.5	3.6	3.9
Other fruits	1,481.4	135.9	315.6	311.9	9.2	21.3	21.1
Table olives	130.6	-4.1	-2.7	-2.9	-3.1	-2.0	-2.2
Flax and hemp	842.3	43.9	44.8	44.9	5.2	5.3	5.3
Meat	885.0	462.4	527.0	945.0	52.2	59.5	106.8
Beef	347.3	177.2	244.8	526.3	51.0	70.5	151.5
Pork	15.4	49.3	50.6	53.2	321.2	329.4	346.8
Sheep, goat meat	242.0	-5.4	-7.0	-13.9	-2.2	-2.9	-5.8
Poultry meat	280.4	241.2	238.6	379.3	86.0	85.1	135.3
Dairy products	395.6	149.0	147.6	157.8	37.7	37.3	39.9
Butter	181.6	48.1	48.8	56.3	26.5	26.9	31.0
SMP	2.1	7.8	7.8	7.9	368.4	367.5	370.3
Cheese	11.9	24.9	24.7	25.1	209.8	207.8	211.1
Fresh milk products	124.4	24.6	24.7	24.9	19.8	19.8	20.0
Cream	15.4	36.8	36.8	36.6	239.4	239.8	238.3
Concentrated milk	1.1	2.4	0.2	2.4	211.6	14.3	211.6
Whole milk powder	7.5	0.3	0.3	0.3	3.8	3.8	4.4
Casein	40.5	0.3	0.3	0.4	0.7	0.7	0.9
Whey powder	11.2	3.9	4.0	4.0	35.3	36.1	36.1
Oils	9,432.9	453.7	528.8	521.8	4.8	5.6	5.5
Rape seed oil	170.0	14.9	12.7	12.4	8.8	7.5	7.3
Sunflower seed oil	1,097.9	94.0	163.8	161.8	8.6	14.9	14.7
Soya oil	250.6	27.4	54.8	54.2	10.9	21.9	21.6
Olive oil	296.8	145.6	145.6	144.3	49.1	49.0	48.6
Oil cakes	22,135.6	-369.0	-436.3	-791.1	-1.7	-2.0	-3.6
Rape seed	44.5	3.2	3.0	2.2	7.1	6.8	5.0
Sunflower seed	682.1	-8.9	1.6	-17.6	-1.3	0.2	-2.6
Soya	21,409.0	-363.3	-440.9	-775.6	-1.7	-2.1	-3.6
Rice milled	1,652.5	-11.2	-11.3	-15.0	-0.7	-0.7	-0.9
Sugar	3,791.8	-39.8	-56.0	-77.8	-1.0	-1.5	-2.1

Source : CAPRI simulation results.

Table A5.8: Total exports Mercosur (post-Doha scenarios)

	Reference scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	1000 tons				%		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	15,459.1	-332.0	349.8	56.2	-2.1	2.3	0.4
Wheat	2,005.7	-0.5	566.2	551.5	0.0	28.2	27.5
Rye and meslin	26.2	-0.7	0.5	0.1	-2.6	2.1	0.6
Barley	288.2	-0.4	23.0	19.1	-0.2	8.0	6.6
Grain maize	11,747.3	-304.8	-243.4	-493.3	-2.6	-2.1	-4.2
Other cereals	1,391.8	-25.6	3.5	-21.3	-1.8	0.3	-1.5
Oilseeds	77,305.5	-438.6	-669.7	-813.6	-0.6	-0.9	-1.1
Rape seed	1.9	0.0	0.1	0.0	-1.1	3.2	1.6
Sunflower seed	532.1	-19.9	-46.2	-47.6	-3.7	-8.7	-8.9
Soybeans	76,771.5	-418.7	-623.6	-766.0	-0.5	-0.8	-1.0
Other arable crops	26.0	0.1	-0.6	-1.0	0.5	-2.5	-3.7
Pulses	12.8	0.6	0.6	0.4	4.3	4.3	2.9
Potatoes	13.2	-0.4	-1.2	-1.3	-3.2	-9.0	-10.0
Vegetables and permanent crops	5,234.0	136.4	1,792.5	1,843.1	2.6	34.2	35.2
Tomatoes	2.3	2.7	2.9	2.9	120.4	128.0	127.1
Other vegetables	355.1	22.9	166.6	165.9	6.5	46.9	46.7
Table grapes	325.4	24.4	75.3	73.6	7.5	23.1	22.6
Citrus fruits	4,369.3	61.9	1,221.5	1,277.0	1.4	28.0	29.2
Other fruits	182.0	24.5	326.2	323.6	13.4	179.3	177.8
Flax and hemp	1,500.5	-47.2	-54.0	-55.4	-3.1	-3.6	-3.7
Meat	2,092.0	280.4	316.3	629.1	13.4	15.1	30.1
Beef	940.8	155.8	202.6	408.9	16.6	21.5	43.5
Pork	250.3	5.4	3.8	-2.0	2.2	1.5	-0.8
Sheep, goat meat	3.4	-0.4	-0.6	-0.8	-12.4	-18.8	-23.8
Poultry meat	897.5	119.6	110.5	223.0	13.3	12.3	24.8
Dairy products	384.5	12.6	8.8	16.6	3.3	2.3	4.3
Butter	22.1	4.7	4.6	13.2	21.4	20.9	59.5
SMP	12.0	0.1	0.0	0.0	1.0	0.2	-0.2
Cheese	231.8	11.0	7.6	7.5	4.7	3.3	3.2
Concentrated milk	20.5	0.3	1.4	1.5	1.3	6.6	7.1
Whole milk powder	98.0	-3.4	-4.8	-5.4	-3.5	-4.9	-5.6
Oils	12,377.4	51.6	114.2	115.2	0.4	0.9	0.9
Sunflower seed oil	1,380.7	46.1	112.4	110.2	3.3	8.1	8.0
Soya oil	10,975.8	6.1	2.6	5.8	0.1	0.0	0.1
Olive oil	20.8	-0.7	-0.7	-0.8	-3.2	-3.6	-3.7
Oil cakes	47,563.5	-301.8	-330.6	-604.9	-0.6	-0.7	-1.3
Rape seed cake	1.7	-0.1	-0.1	-0.2	-6.4	-6.4	-13.5
Sunflower seed cake	1,924.8	16.6	46.8	34.5	0.9	2.4	1.8
Soya cake	45,637.0	-318.3	-377.3	-639.2	-0.7	-0.8	-1.4
Rice milled	489.9	0.4	14.1	12.2	0.1	2.9	2.5
Sugar	42,109.8	105.8	13.3	-45.8	0.3	0.0	-0.1

Source : CAPRI simulation results.

Table A5.9: Total imports Mercosur (post-Doha scenarios)

	Reference scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	1000 tons				%		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	3,523.5	28.7	1,823.3	1,851.9	0.8	51.7	52.6
Wheat	3,244.4	21.6	1,734.7	1,752.6	0.7	53.5	54.0
Barley	271.5	6.6	88.4	98.8	2.4	32.6	36.4
Oats	0.8	0.1	-0.1	0.0	9.2	-11.8	-5.3
Grain maize	3.7	0.2	0.1	0.3	4.4	2.7	7.9
Other cereals	3.1	0.3	0.2	0.3	8.9	4.8	9.6
Oilseeds	7,755.7	47.5	86.7	91.4	0.6	1.1	1.2
Rape seed	18.0	0.2	3.8	3.8	1.3	20.8	21.2
Sunflower seed	0.2	0.0	0.1	0.1	16.7	37.5	37.5
Soybeans	7,737.4	47.2	82.9	87.4	0.6	1.1	1.1
Other arable crops	572.1	17.2	47.3	55.8	3.0	8.3	9.7
Pulses	561.9	17.5	47.2	54.0	3.1	8.4	9.6
Potatoes	10.2	-0.2	0.2	1.8	-2.1	1.7	17.6
Vegetables and permanent crops	951.8	-1.6	49.7	53.3	-0.2	5.2	5.6
Tomatoes	515.1	1.9	38.2	41.0	0.4	7.4	8.0
Other vegetables	16.9	0.1	0.8	0.8	0.5	4.6	4.9
Table grapes	1.9	0.0	0.4	0.4	0.5	19.4	20.4
Citrus fruits	0.2	0.0	0.5	0.5	12.5	287.5	287.5
Other fruits	308.9	-3.5	7.3	7.9	-1.1	2.4	2.5
Table olives	36.6	-0.1	0.6	0.6	-0.3	1.6	1.7
Wine	72.2	0.0	2.1	2.2	0.0	3.0	3.0
Flax and hemp	5.5	-0.4	3.1	3.1	-6.4	56.7	56.7
Meat	1.1	0.1	0.1	0.4	5.7	8.6	38.1
Beef	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pork	1.1	0.1	0.1	0.4	5.7	8.6	38.1
Poultry, sheep, goat	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dairy products	34.3	-0.1	1.3	1.8	-0.1	3.9	5.2
Skimmed milk powder	0.9	0.0	0.0	0.0	3.4	4.6	4.6
Cheese	0.3	0.0	0.1	0.2	6.1	15.2	57.6
Fresh milk products	5.1	-0.1	-0.1	-0.1	-1.6	-1.4	-1.4
Concentrated milk	0.4	0.1	1.7	1.7	16.3	402.3	402.3
Whole milk powder	0.5	0.0	0.0	0.1	6.4	6.4	10.6
Whey powder	26.8	-0.1	-0.4	-0.1	-0.4	-1.6	-0.5
Oils	828.2	-1.3	-0.1	0.0	-0.2	0.0	0.0
Rape seed oil	2.1	-0.5	-0.5	-0.5	-22.0	-25.4	-24.9
Sunflower seed oil	1.0	0.0	0.1	0.1	4.2	8.4	9.5
Soya oil	819.3	-1.5	-0.5	-1.1	-0.2	-0.1	-0.1
Olive oil	5.8	0.6	0.8	1.6	10.6	13.4	28.0
Oil cakes	461.1	26.0	27.6	52.2	5.6	6.0	11.3
Sunflower seed cake	85.1	-2.0	-2.9	-3.5	-2.3	-3.5	-4.2
Soya cake	376.0	28.0	30.6	55.8	7.4	8.1	14.8
Rice milled	0.7	-0.1	-0.1	-0.1	-12.9	-15.7	-14.3
Sugar	0.3	0.0	0.0	0.0	0.0	0.0	3.0

Source : CAPRI simulation results.

Table A5.10: Value of EU exports to Mercosur (post-Doha scenarios)

	Reference scenario	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	1000 tons				%		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	604.9	2.2	297.5	301.4	0.4	49.2	49.8
Wheat	564.7	1.3	289.5	292.2	0.2	51.3	51.7
Barley	40.3	0.9	8.0	9.3	2.3	19.9	23.1
Oilseeds	6.1	0.1	0.7	0.7	1.1	11.8	12.1
Rape seed	6.1	0.1	0.7	0.7	1.1	11.8	12.1
Other arable crops	5.2	0.3	10.4	11.2	6.0	199.3	214.8
Pulses	5.1	0.3	10.4	10.8	6.0	201.9	210.5
Potatoes	0.1	0.0	0.0	0.4	5.9	49.5	468.1
Vegetables & permanent crops	498.8	1.5	-6.2	-5.1	0.3	-1.2	-1.0
Tomatoes	35.9	1.1	61.5	62.5	3.0	171.1	173.9
Other vegetables	1.8	0.0	0.2	0.2	0.7	9.1	9.3
Citrus fruits	0.1	0.0	0.3	0.3	16.2	452.6	452.3
Other fruits	2.6	0.2	1.2	1.2	7.6	46.9	47.4
Table olives	2.9	0.2	2.8	2.9	7.3	97.1	97.9
Flax and hemp	2.6	-0.2	3.1	3.1	-8.1	118.9	119.1
Meat	1.0	0.1	0.1	0.6	6.5	10.6	56.6
Pork	1.0	0.1	0.1	0.6	6.5	10.6	56.6
Dairy products	17.6	0.2	3.3	3.9	1.3	18.7	22.3
Cheese	0.6	0.0	0.1	0.6	6.9	20.4	95.8
Concentrated milk	1.1	0.2	3.3	3.3	15.1	307.8	307.0
Whole milk powder	0.4	0.0	0.0	0.0	7.2	9.3	10.5
Whey powder	15.5	0.0	-0.2	0.0	0.0	-1.2	0.2
Oils	1.0	1.1	1.4	2.7	108.2	131.9	254.2
Olive oil	1.0	1.1	1.4	2.7	108.2	131.9	254.2
Rice milled	0.1	-0.1	-0.1	-0.1	-94.8	-83.5	-83.2

Source : CAPRI simulation results.

Table A5.11: Value of EU imports from Mercosur (post-Doha scenarios)

	Reference	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	<i>1000 tons</i>				<i>%</i>		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	6.3	0.0	0.4	0.2	0.3	6.7	2.9
Wheat	0.5	0.0	0.2	0.2	-0.7	41.1	39.5
Barley	0.1	0.0	0.0	0.0	-4.5	38.6	30.5
Grain maize	1.3	-0.1	0.0	-0.1	-4.9	-3.0	-7.9
Other cereals	4.4	0.1	0.2	0.0	2.0	4.8	1.1
Oilseeds	2,867.7	-36.0	-54.1	-64.8	-1.3	-1.9	-2.3
Rape seed	0.0	0.0	0.0	0.0	-1.6	45.1	44.3
Sunflower seed	165.8	-9.2	-19.8	-20.5	-5.6	-11.9	-12.4
Soybeans	2,701.9	-26.7	-34.3	-44.3	-1.0	-1.3	-1.6
Other arable crops	0.5	0.0	0.1	0.1	0.7	20.1	14.7
Pulses	0.5	0.0	0.1	0.1	0.7	20.1	14.7
Vegetables & permanent crops	2,732.8	18.1	700.5	699.5	0.7	25.6	25.6
Tomatoes	1.4	1.7	1.8	1.8	124.5	130.4	129.5
Other vegetables	283.4	4.3	35.9	35.7	1.5	12.7	12.6
Table grapes	212.6	12.2	46.5	45.4	5.8	21.9	21.4
Citrus fruits	2,072.1	-14.4	381.7	383.4	-0.7	18.4	18.5
Other fruits	163.3	14.2	234.7	233.1	8.7	143.7	142.7
Table olives	0.0	0.0	0.0	0.0	161.0	465.2	452.0
Flax and hemp	1.0	0.1	0.1	0.1	8.1	7.8	7.5
Meat	2,246.9	849.2	1,078.5	2,189.5	37.8	48.0	97.4
Beef	1,631.2	606.1	846.0	1,688.1	37.2	51.9	103.5
Pork	16.0	29.5	29.9	30.2	184.8	187.4	189.1
Sheep and goat meat	10.1	-1.2	-1.8	-2.3	-12.1	-18.0	-22.9
Poultry meat	589.6	214.9	204.5	473.5	36.4	34.7	80.3
Dairy products	14.5	9.1	9.1	36.1	62.6	62.4	248.8
Butter	14.5	9.1	9.1	36.1	62.6	62.4	248.8
Oils	553.9	35.3	113.0	111.0	6.4	20.4	20.0
Sunflower seed oil	350.9	23.1	70.0	68.4	6.6	19.9	19.5
Soya oil	203.1	12.1	43.0	42.6	6.0	21.2	21.0
Oil cakes	5,767.6	-141.5	-162.3	-253.5	-2.5	-2.8	-4.4
Rape seed cake	0.3	0.0	0.0	0.0	-6.9	-7.8	-14.1
Sunflower seed cake	69.6	-2.4	-1.3	-3.6	-3.4	-1.9	-5.2
Soya cake	5,697.7	-139.1	-161.0	-249.9	-2.4	-2.8	-4.4
Rice milled	80.0	-2.4	-1.5	-1.7	-3.0	-1.9	-2.2
Sugar	1,283.5	-27.2	-37.7	-47.8	-2.1	-2.9	-3.7

Source: CAPRI simulation results.

Table A5.12: Value of total EU exports (post-Doha scenarios)

	Reference	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	1000 tons				%		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	4,224.6	110.8	350.9	366.2	2.6	8.3	8.7
Wheat	3,595.8	41.3	273.5	285.2	1.1	7.6	7.9
Rye and meslin	40.2	1.1	1.1	1.0	2.6	2.8	2.6
Barley	448.6	56.2	64.2	66.6	12.5	14.3	14.8
Oats	69.3	11.1	11.3	11.7	16.0	16.2	16.9
Grain maize	34.3	3.3	3.1	4.0	9.8	9.1	11.7
Other cereals	36.4	-2.2	-2.4	-2.4	-6.1	-6.6	-6.7
Oilseeds	394.7	4.2	5.7	5.7	1.1	1.4	1.4
Rape seed	114.7	0.2	1.2	1.2	0.1	1.0	1.0
Sunflower seed	194.3	2.8	3.1	3.0	1.4	1.6	1.5
Soybeans	85.7	1.3	1.4	1.5	1.5	1.7	1.8
Other arable crops	289.7	30.0	35.6	38.0	10.4	12.3	13.1
Pulses	239.0	25.9	31.8	33.9	10.8	13.3	14.2
Potatoes	50.6	4.1	3.8	4.1	8.1	7.5	8.1
Vegetables & permanent crops	5,418.9	51.6	102.8	103.1	1.0	1.9	1.9
Tomatoes	99.0	6.3	33.7	33.7	6.4	34.1	34.1
Other vegetables	321.2	31.9	31.9	31.4	9.9	9.9	9.8
Apples, pears and peaches	796.4	8.6	9.7	11.4	1.1	1.2	1.4
Table grapes	54.2	6.3	9.3	9.3	11.7	17.2	17.2
Citrus fruits	43.8	0.0	0.4	0.2	0.0	0.9	0.4
Other fruits	114.0	10.8	17.1	17.2	9.5	15.0	15.1
Table olives	110.3	0.3	3.2	3.2	0.2	2.9	2.9
Flax and hemp	53.9	-2.7	-0.1	0.5	-5.0	-0.2	1.0
Meat	5,160.8	-46.3	18.4	341.5	-0.9	0.4	6.6
Beef	698.9	41.3	99.1	361.8	5.9	14.2	51.8
Pork	3,337.7	-0.1	0.5	5.5	0.0	0.0	0.2
Sheep and goat meat	100.2	3.7	3.7	4.1	3.7	3.7	4.1
Poultry meat	1,024.0	-91.1	-85.0	-29.9	-8.9	-8.3	-2.9
Dairy products	4,146.2	112.9	123.7	110.4	2.7	3.0	2.7
Butter	50.2	41.5	45.2	41.7	82.6	89.9	83.0
Skimmed milk powder	322.5	-6.9	-11.6	-8.0	-2.1	-3.6	-2.5
Cheese	1,581.8	79.6	87.2	77.7	5.0	5.5	4.9
Concentrated milk	411.9	10.1	9.1	11.1	2.4	2.2	2.7
Whole milk powder	797.9	-1.8	4.1	-0.1	-0.2	0.5	0.0
Casein	34.1	-0.4	-0.5	-0.8	-1.1	-1.4	-2.4
Whey powder	419.8	-14.0	-14.5	-15.6	-3.3	-3.4	-3.7
Oils	507.1	71.7	75.0	75.3	14.1	14.8	14.9
Rape seed oil	370.3	42.2	43.6	43.5	11.4	11.8	11.8
Sunflower seed oil	90.3	9.9	10.4	10.2	10.9	11.5	11.3
Soya oil	4.1	0.7	1.1	1.1	17.1	26.7	26.4
Olive oil	42.4	18.9	19.9	20.5	44.5	46.9	48.3
Oil cakes	1,018.5	-15.8	-14.2	-20.7	-1.5	-1.4	-2.0
Rape seed cake	491.1	37.2	38.3	33.9	7.6	7.8	6.9
Sunflower seed cake	107.6	-1.3	-1.3	-1.4	-1.2	-1.2	-1.3
Soya cake	419.8	-51.7	-51.3	-53.2	-12.3	-12.2	-12.7
Rice milled	20.0	-17.3	-17.3	-17.3	-86.5	-86.5	-86.4
Sugar	80.8	-1.3	-1.0	-0.8	-1.6	-1.3	-1.0

Source: CAPRI simulation results.

Table A5.13: Value of total EU imports (post-Doha scenarios)

	Reference scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	<i>1000 tons</i>				<i>%</i>		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	1,171.0	-67.3	-62.4	-74.6	-5.7	-5.3	-6.4
Wheat	170.6	-5.7	-5.8	-7.3	-3.4	-3.4	-4.3
Rye and meslin	40.4	-0.9	-0.7	-1.3	-2.1	-1.8	-3.3
Barley	9.2	-0.2	0.4	0.3	-1.9	3.9	3.2
Oats	3.7	-0.2	0.1	0.1	-5.1	1.8	1.9
Grain maize	227.0	-7.3	-5.6	-8.4	-3.2	-2.5	-3.7
Other cereals	720.1	-53.0	-50.7	-58.0	-7.4	-7.0	-8.1
Oilseeds	6,348.5	-64.5	-84.1	-98.1	-1.0	-1.3	-1.5
Rape seed	1,367.1	-3.9	-4.2	-6.4	-0.3	-0.3	-0.5
Sunflower seed	685.4	-27.0	-40.8	-41.2	-3.9	-5.9	-6.0
Soybeans	4,296.1	-33.7	-39.0	-50.4	-0.8	-0.9	-1.2
Other arable crops	1,166.2	129.1	129.5	116.1	11.1	11.1	10.0
Pulses	729.5	-2.5	-5.2	-18.5	-0.3	-0.7	-2.5
Potatoes	436.7	131.6	134.6	134.6	30.1	30.8	30.8
Vegetables & permanent crops	12,335.7	46.6	-20.7	-51.3	0.4	-0.2	-0.4
Tomatoes	231.4	79.4	81.8	81.6	34.3	35.3	35.3
Other vegetables	2,040.4	14.6	28.7	28.4	0.7	1.4	1.4
Apples pears and peaches	2,148.0	-35.3	-65.6	-74.7	-1.6	-3.1	-3.5
Table grapes	710.8	2.0	1.1	-0.8	0.3	0.2	-0.1
Citrus fruits	4,983.2	-87.3	-189.9	-205.0	-1.8	-3.8	-4.1
Other fruits	2,094.6	74.5	123.4	119.6	3.6	5.9	5.7
Table olives	112.4	-2.4	-1.2	-1.4	-2.1	-1.0	-1.2
Flax and hemp	1,176.5	53.7	54.7	54.8	4.6	4.6	4.7
Meat	3,161.9	1,257.3	1,476.6	2,524.5	39.8	46.7	79.8
Beef	1,819.3	637.0	864.9	1,675.7	35.0	47.5	92.1
Pork meat	44.6	116.6	119.6	125.1	261.4	268.0	280.4
Sheep and goat meat	620.1	11.3	6.4	-13.0	1.8	1.0	-2.1
Poultry meat	677.8	492.4	485.8	736.7	72.6	71.7	108.7
Eggs	150.10	82.4	101.6	99.5	54.9	67.7	66.3
Dairy products	1,227.6	295.9	291.3	310.2	24.1	23.7	25.3
Butter	724.9	104.6	107.3	117.9	14.4	14.8	16.3
Skimmed milk powder	5.4	15.7	15.7	15.8	291.8	291.5	293.7
Cheese	50.0	72.2	71.2	72.7	144.5	142.4	145.4
Fresh milk products	228.7	19.5	19.7	20.0	8.5	8.6	8.7
Concentrated milk	4.1	6.7	0.0	6.7	164.3	-0.3	164.4
Whole milk powder	10.3	0.1	0.2	0.2	1.3	1.6	2.1
Whey powder	5.4	1.6	1.7	1.7	30.4	31.1	31.3
Oils	8,063.6	323.5	358.8	348.6	4.0	4.4	4.3
Rape seed oil	187.2	14.8	12.1	11.7	7.9	6.5	6.2
Sunflower seed oil	929.8	55.9	86.9	85.0	6.0	9.3	9.1
Soya oil	319.9	24.7	52.2	51.4	7.7	16.3	16.1
Olive oil	789.4	183.4	182.9	178.3	23.2	23.2	22.6
Oil cakes	8,120.6	-199.6	-229.3	-368.6	-2.5	-2.8	-4.5
Rape seed cake	7.1	0.4	0.4	0.2	5.8	5.3	2.8
Sunflower seed cake	88.7	-2.0	-1.0	-3.5	-2.2	-1.1	-3.9
Soya cake	8,024.9	-198.0	-228.7	-365.3	-2.5	-2.8	-4.6
Rice milled	825.4	-13.1	-13.4	-15.2	-1.6	-1.6	-1.8
Sugar	2,784.0	-26.7	-33.7	-46.6	-1.0	-1.2	-1.7

Source: CAPRI simulation results.

Table A5.14: Value of total Mercosur exports (post-Doha scenarios)

	Reference scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	1000 tons				%		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	3,210.7	-61.5	46.1	-2.2	-1.9	1.4	-0.1
Wheat	359.6	-0.4	85.9	83.4	-0.1	23.9	23.2
Rye and meslin	4.3	-0.1	0.0	0.0	-2.6	0.0	-0.8
Barley	72.6	0.1	3.1	2.7	0.1	4.3	3.7
Grain maize	2,416.0	-54.6	-43.2	-82.8	-2.3	-1.8	-3.4
Other cereals	358.4	-6.4	0.2	-5.3	-1.8	0.1	-1.5
Oilseeds	17,016.9	-117.4	-154.0	-166.2	-0.7	-0.9	-1.0
Rape seed	0.3	0.0	0.0	0.0	-1.1	3.7	1.9
Sunflower seed	179.0	-5.5	-12.1	-12.6	-3.1	-6.8	-7.0
Soybeans	16,837.6	-111.9	-141.9	-153.7	-0.7	-0.8	-0.9
Other arable crops	6.8	0.2	0.1	0.0	2.4	1.2	0.1
Pulses	5.0	0.2	0.2	0.2	4.3	4.5	3.3
Potatoes	1.8	-0.1	-0.1	-0.2	-3.0	-8.0	-8.9
Vegetables and permanent crops	1,661.0	-218.6	181.0	765.2	-13.2	10.9	46.1
Tomatoes	0.7	0.7	0.8	0.8	113.5	119.3	118.4
Other vegetables	139.7	9.6	69.6	69.6	6.9	49.8	49.8
Table grapes	192.9	16.4	52.3	51.3	8.5	27.1	26.6
Citrus fruits	1,204.4	-262.3	-167.0	419.3	-21.8	-13.9	34.8
Other fruits	123.3	16.9	225.2	224.1	13.7	182.6	181.7
Table olives	0.0	0.0	0.0	0.0	58.2	147.4	142.0
Flax and hemp	917.1	-44.6	-48.0	-48.5	-4.9	-5.2	-5.3
Meat	3,432.0	882.9	896.6	1,374.1	25.7	26.1	40.0
Beef	1,906.7	691.1	740.9	831.2	36.2	38.9	43.6
Pork	431.3	12.5	-4.2	-4.7	2.9	-1.0	-1.1
Sheep and goat meat	8.4	-1.0	-1.5	-1.9	-12.1	-17.9	-22.8
Poultry meat	1,085.6	180.3	161.4	549.6	16.6	14.9	50.6
Dairy products	898.2	36.9	25.2	60.8	4.1	2.8	6.8
Butter	27.5	7.8	3.5	39.6	28.4	12.8	143.6
Skimmed milk powder	17.9	0.2	0.1	0.0	1.2	0.3	0.0
Cheese	699.6	31.7	23.3	23.4	4.5	3.3	3.3
Concentrated milk	46.1	1.4	3.5	3.7	3.0	7.7	8.1
Whole milk powder	107.1	-4.2	-5.2	-5.9	-4.0	-4.8	-5.5
Whey powder	0.0	0.0	0.0	0.0	6.3	7.8	7.0
Oils	12,700.9	41.6	106.9	107.2	0.3	0.8	0.8
Rape seed oil	0.1	0.0	0.0	0.0	23.4	26.5	26.2
Sunflower seed oil	568.6	23.5	59.7	58.4	4.1	10.5	10.3
Soya oil	12,078.7	21.1	50.4	52.1	0.2	0.4	0.4
Olive oil	53.5	-3.0	-3.2	-3.3	-5.6	-6.0	-6.2
Oil cakes	13,498.1	-226.6	-244.4	-338.2	-1.7	-1.8	-2.5
Sunflower seed cake	149.5	-1.4	0.0	-1.2	-0.9	0.0	-0.8
Soya cake	13,348.4	-225.2	-244.4	-337.0	-1.7	-1.8	-2.5
Rice milled	207.7	-0.6	4.4	3.8	-0.3	2.1	1.8
Sugar	28,206.4	338.1	344.9	350.0	1.2	1.2	1.2

Source: CAPRI simulation results.

Table A5.15: Value of total Mercosur imports (post-Doha scenarios)

	Reference scenario 2020	Scen DDA	Scen DM1	Scen DM2	Scen DDA	Scen DM1	Scen DM2
	1000 tons				%		
	Total	Difference from ref. scenario			Difference from ref. scenario		
Cereals	709.9	4.7	259.5	263.6	0.7	36.6	37.1
Wheat	666.7	3.6	251.7	254.3	0.5	37.7	38.1
Barley	40.6	0.9	7.8	9.1	2.3	19.2	22.4
Oats	0.2	0.0	0.0	0.0	8.3	-12.5	-6.2
Grain maize	0.9	0.0	0.0	0.1	4.5	2.9	8.1
Other cereals	1.4	0.1	0.0	0.1	7.3	3.3	7.7
Oilseeds	2,175.1	8.7	19.5	22.5	0.4	0.9	1.0
Rape seed	6.1	0.1	0.7	0.7	1.1	11.8	12.1
Sunflower seed	0.3	0.1	0.1	0.1	17.5	38.5	38.6
Soybeans	2,168.6	8.5	18.7	21.6	0.4	0.9	1.0
Other arable crops	299.8	7.7	20.2	24.0	2.6	6.7	8.0
Pulses	295.9	7.7	20.1	23.5	2.6	6.8	7.9
Potatoes	3.9	0.0	0.1	0.5	-1.0	2.7	12.8
Vegetables & permanent crops	1,201.0	2.5	-25.5	-22.3	0.2	-2.1	-1.9
Tomatoes	433.5	2.9	36.8	39.3	0.7	8.5	9.1
Other vegetables	12.7	0.1	0.4	0.5	0.5	3.5	3.7
Table grapes	1.6	0.0	0.3	0.3	2.1	19.7	20.7
Citrus fruits	0.1	0.0	0.3	0.3	10.3	280.4	279.6
Other fruits	268.5	-0.6	8.7	9.2	-0.2	3.2	3.4
Table olives	29.2	0.2	0.1	0.1	0.6	0.3	0.5
Flax and hemp	6.0	-0.4	2.9	2.9	-7.1	48.4	48.5
Meat	2.3	0.1	0.1	0.7	4.9	6.4	28.8
Pork	2.3	0.1	0.1	0.7	4.9	6.4	28.8
Dairy products	24.7	0.4	3.5	4.2	1.8	14.3	17.0
Butter	0.0	0.0	0.0	0.0	104.5	97.1	659.6
Skimmed milk powder	2.0	0.1	0.1	0.1	2.7	3.7	4.1
Cheese	1.4	0.1	0.2	0.6	4.1	11.2	43.5
Concentrated milk	1.1	0.2	3.3	3.3	15.1	307.8	307.0
Whole milk powder	0.8	0.0	0.1	0.1	6.2	8.7	9.8
Whey powder	15.5	0.0	-0.2	0.0	0.0	-1.2	0.2
Oils	1,035.1	-0.6	3.9	3.0	-0.1	0.4	0.3
Rape seed oil	2.5	-0.5	-0.6	-0.6	-20.0	-23.7	-23.4
Sunflower seed oil	0.7	0.0	0.1	0.1	4.0	8.2	8.6
Soya oil	1,017.9	-0.1	4.5	3.5	0.0	0.4	0.3
Olive oil	14.0	0.0	0.0	0.0	-0.2	-0.2	-0.1
Oil cakes	129.8	6.8	7.3	14.7	5.2	5.7	11.3
Sunflower seed cake	14.2	-0.5	-0.7	-0.8	-3.7	-4.9	-5.6
Soya cake	115.7	7.3	8.0	15.5	6.3	6.9	13.4
Rice milled	0.3	0.0	0.0	0.0	-12.9	-13.7	-13.0
Sugar	0.3	0.0	0.0	0.0	1.0	3.0	3.9

Source: CAPRI simulation results.

Annex 6: CAPRI simulation results, all scenarios: figures depicting impacts at NUTS 2 level

Figure A6.1: Change in production of beef (per ha UAA)

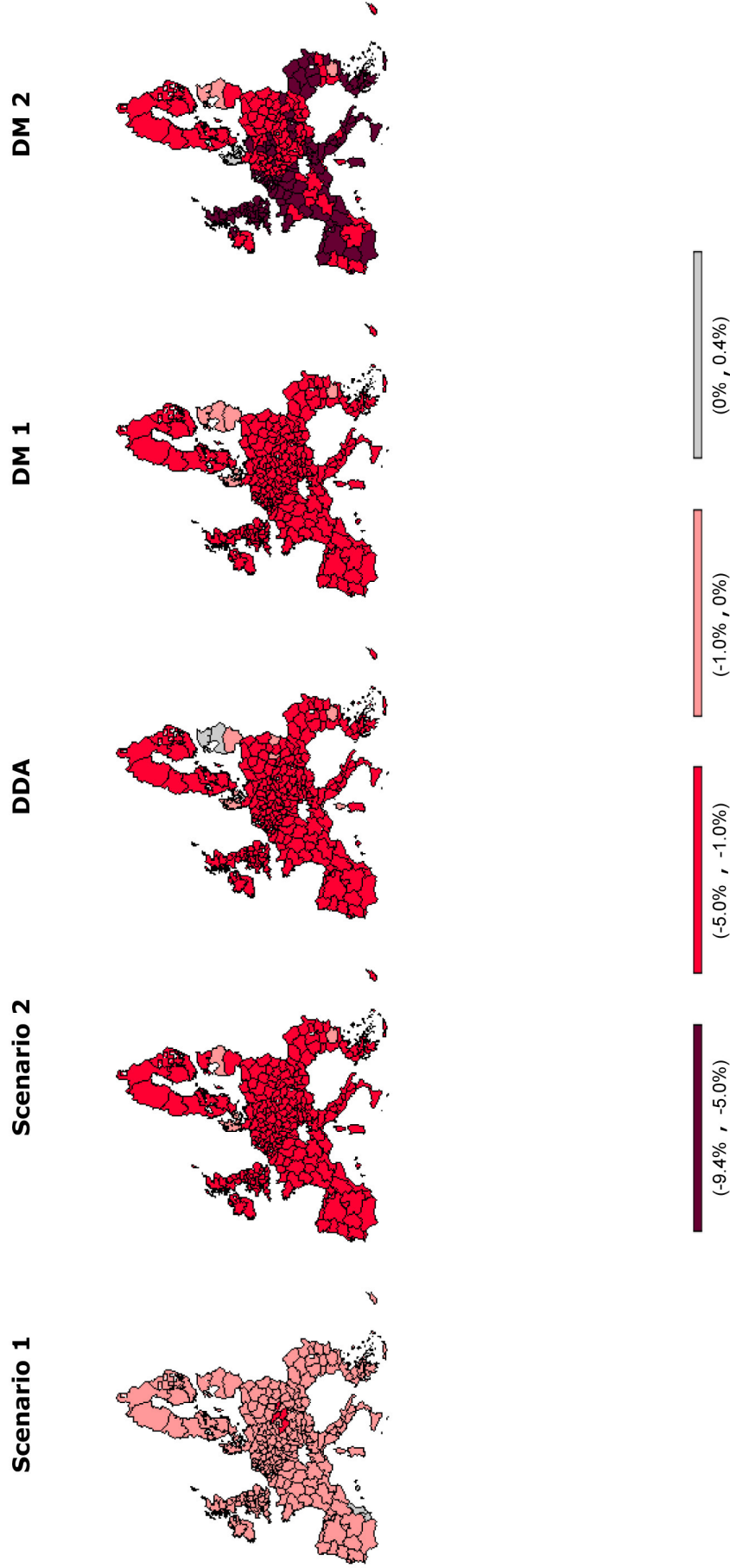


Figure A6.2: Change in production of pork (per ha UAA)

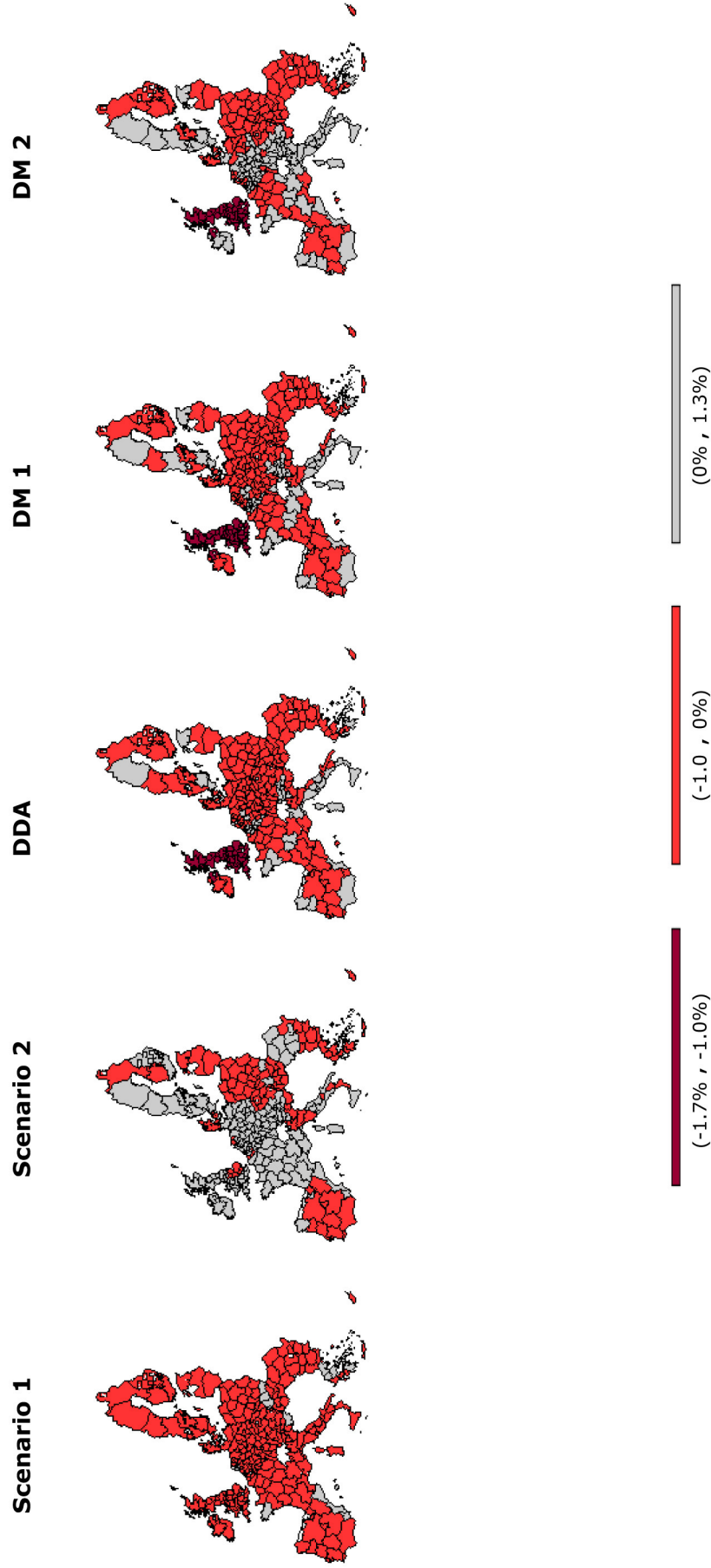


Figure A6.3: Change in production of poultry meat (per ha UAA)

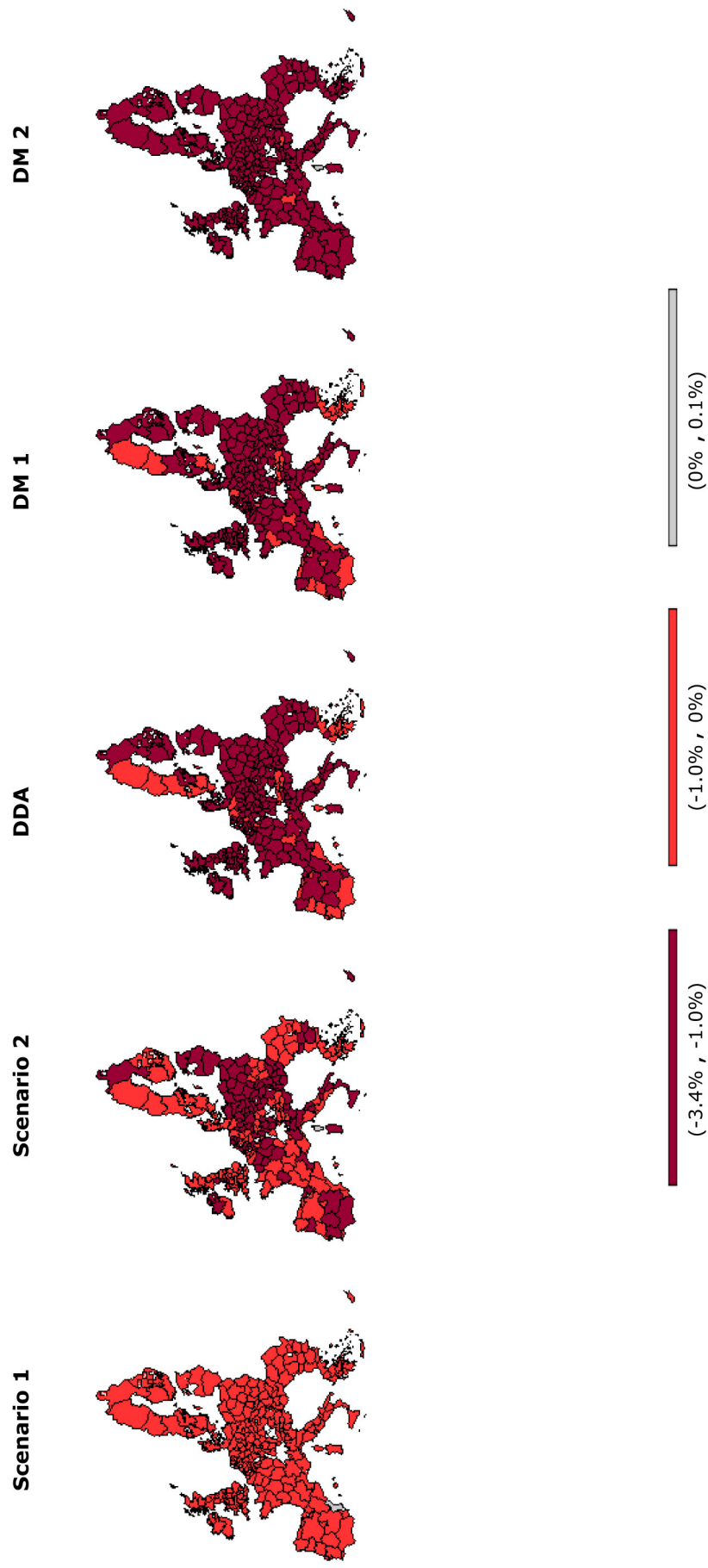


Figure A6.4: Change in production of sheep meat (per ha UAA)

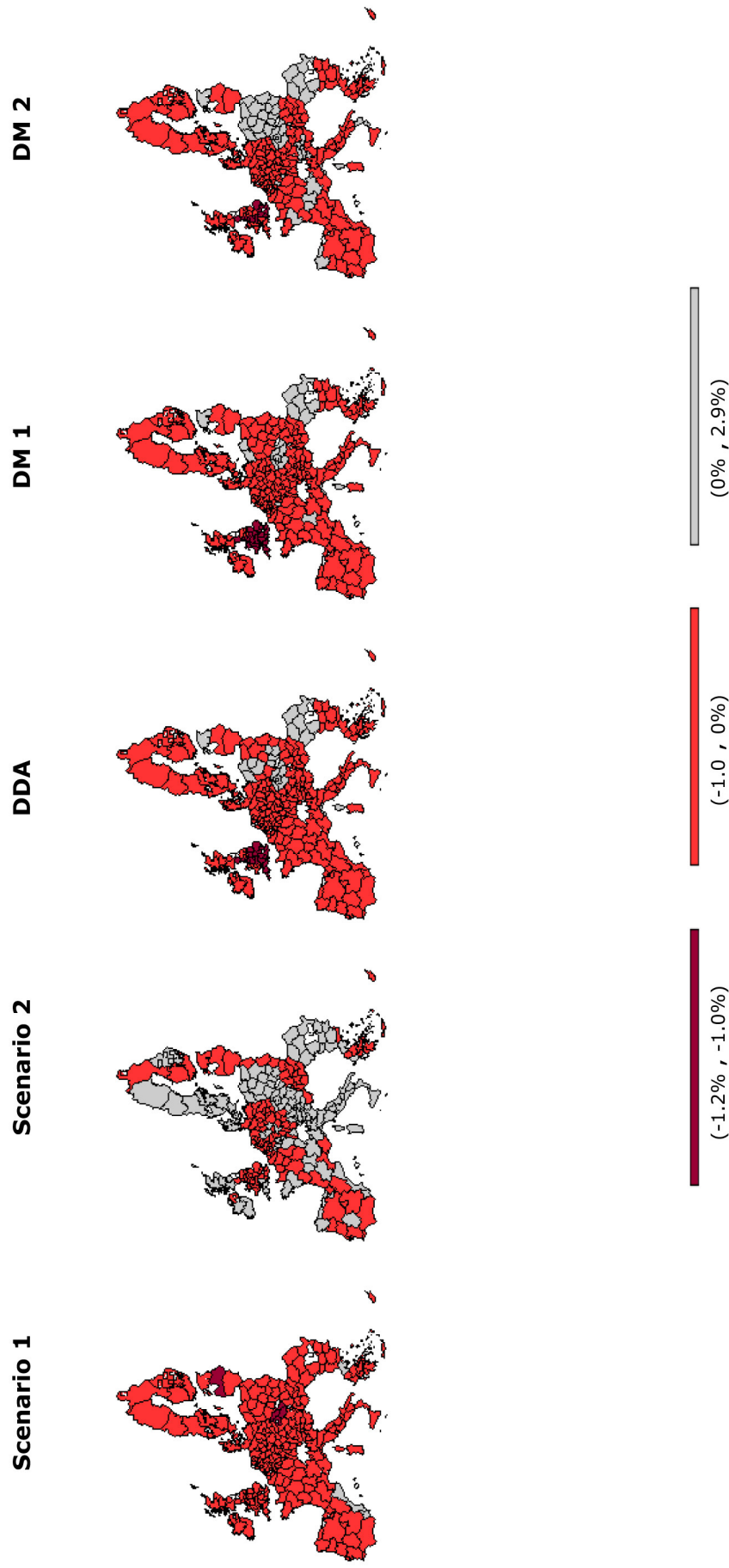


Figure A6.5: Change in production of soft wheat (per ha UAA)

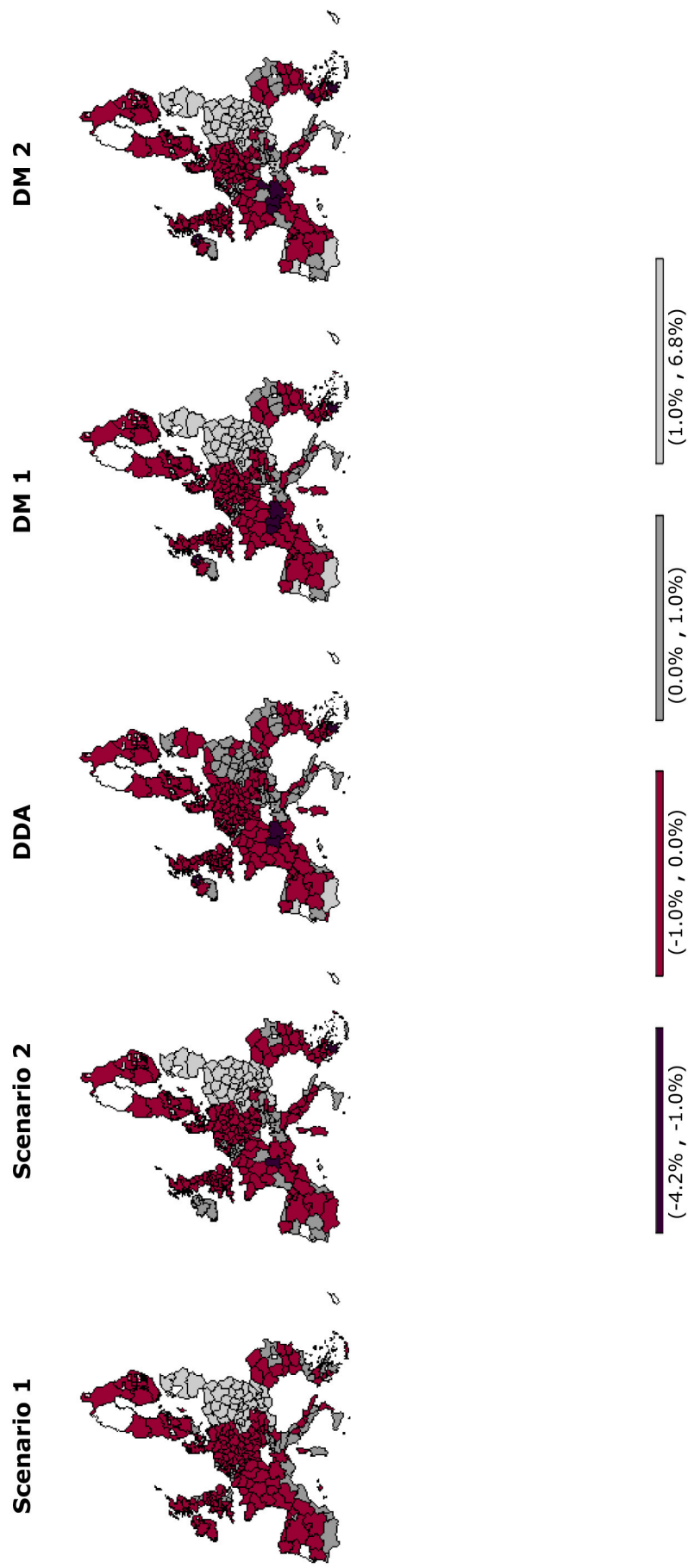


Figure A6.6: Change in production of sugar beet (per ha UAA)

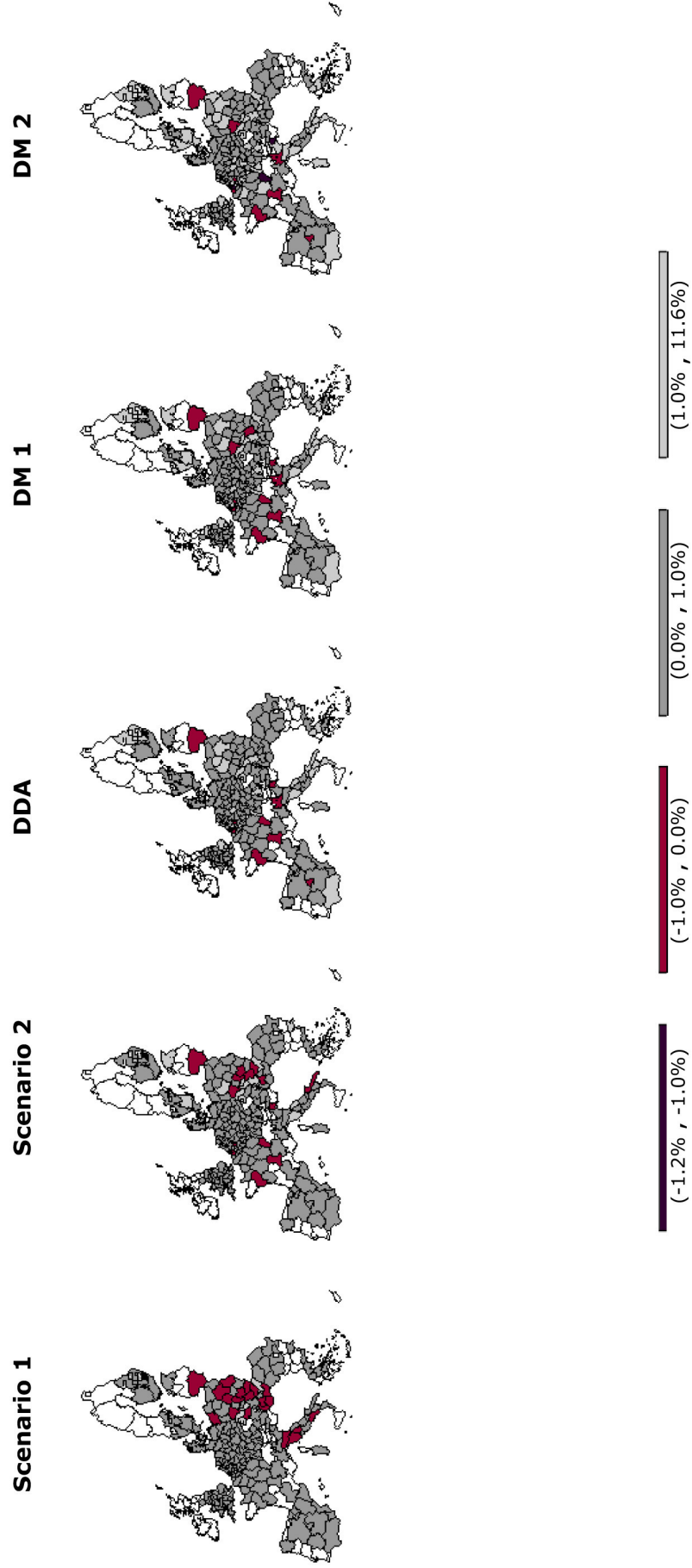


Figure A6.7: Change in production of vegetables and permanent crops (per ha UAA)

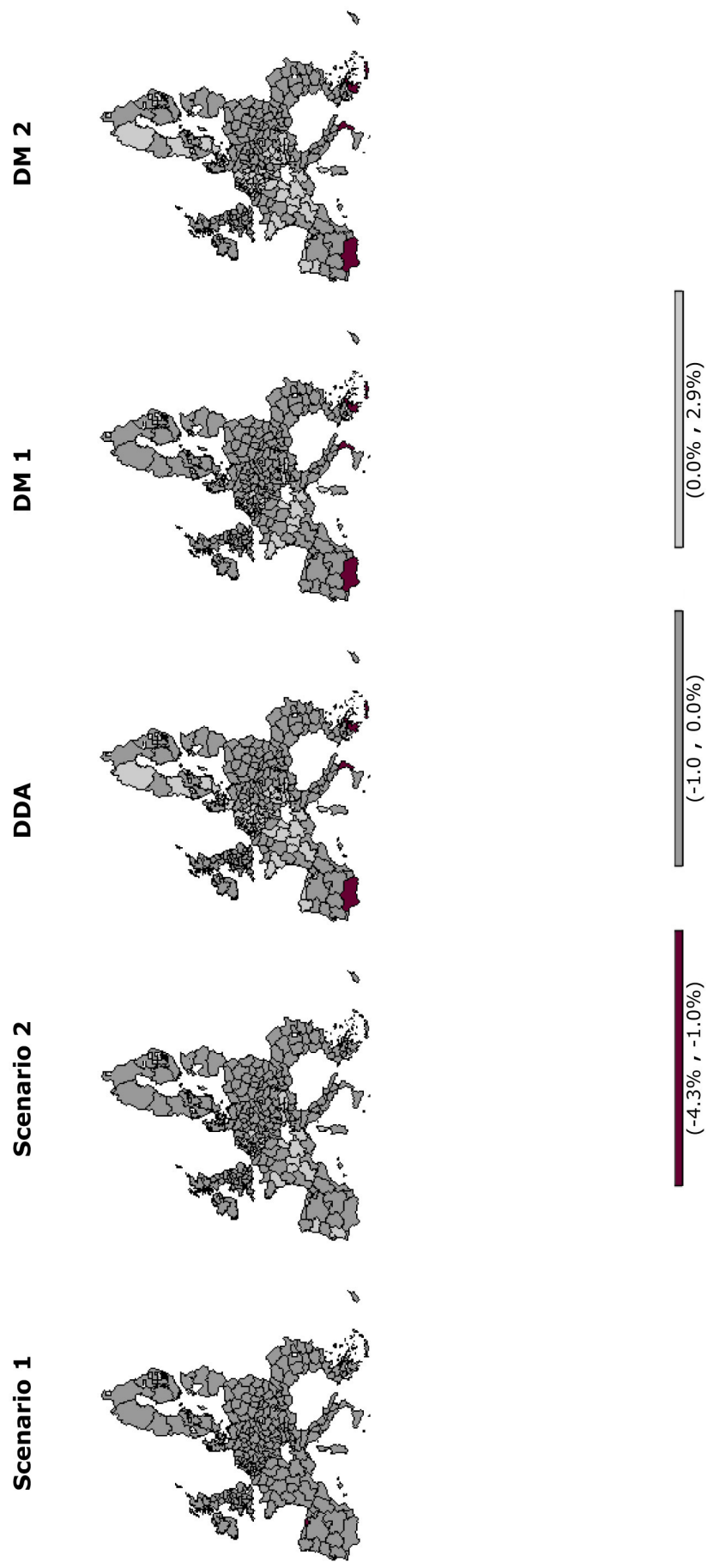


Figure A6.8: Change in production of tomatoes (per ha UAA)

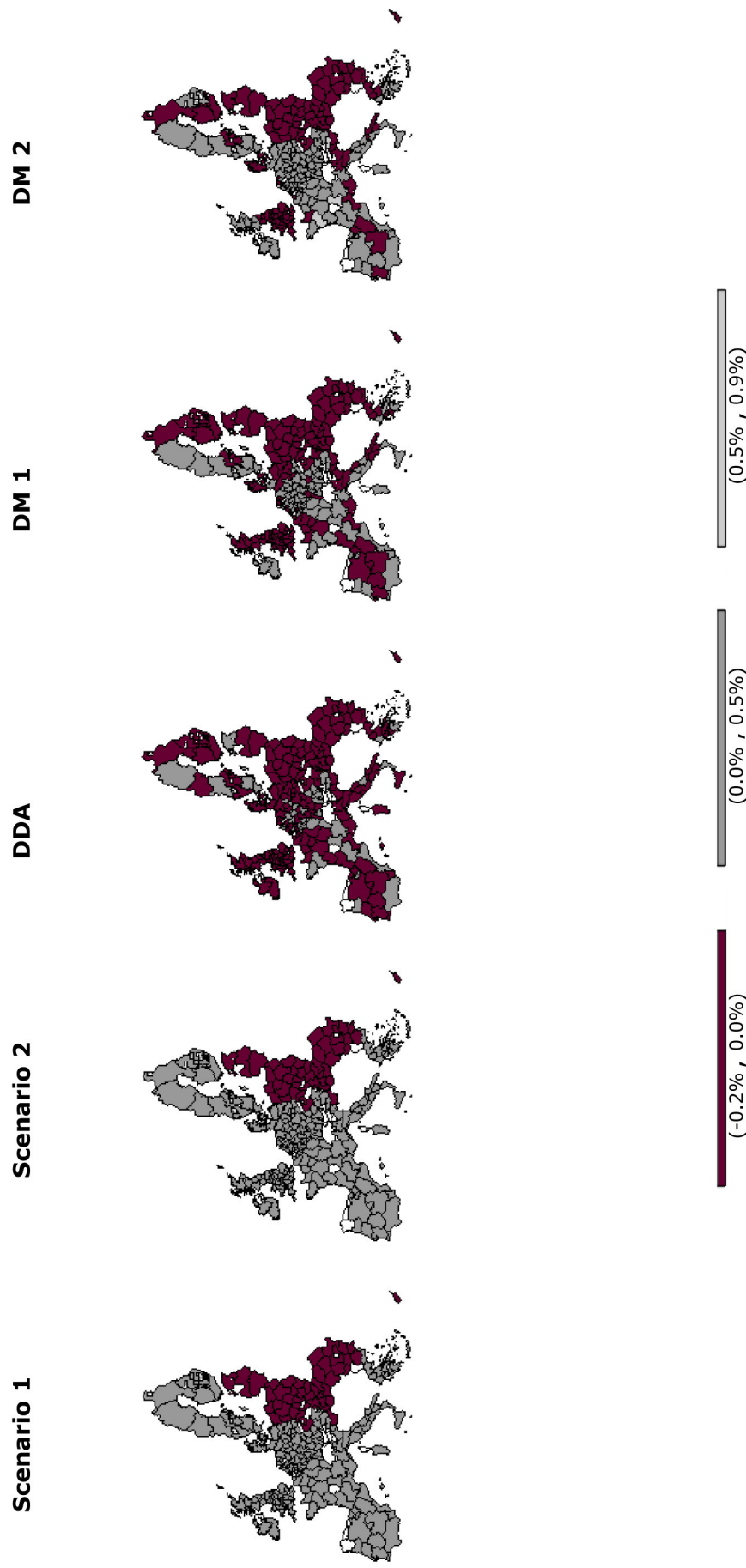


Figure A6.9: Change in revenue from beef activities (per ha UAA)

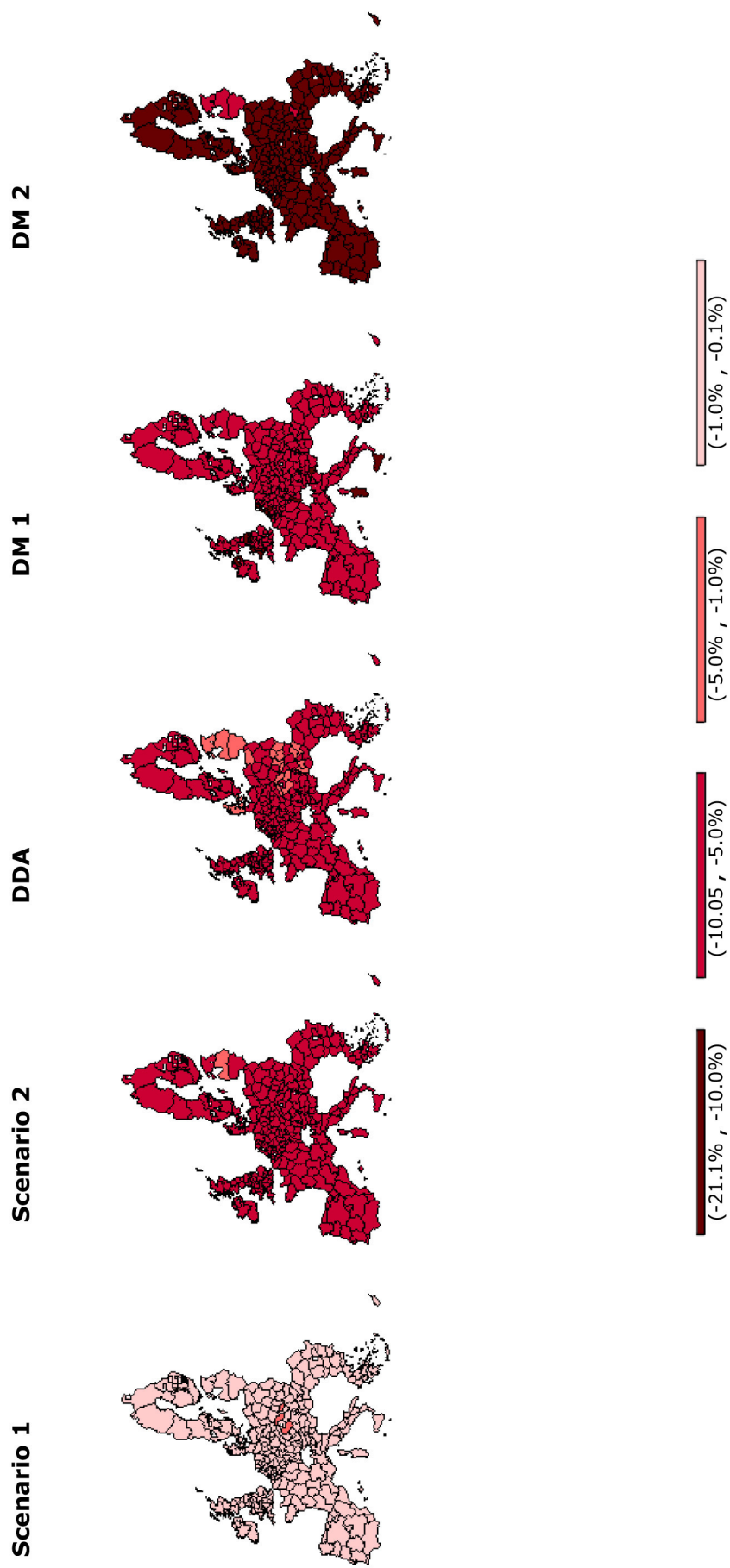


Figure A6.10: Change in revenues from pork production (per ha UAA)

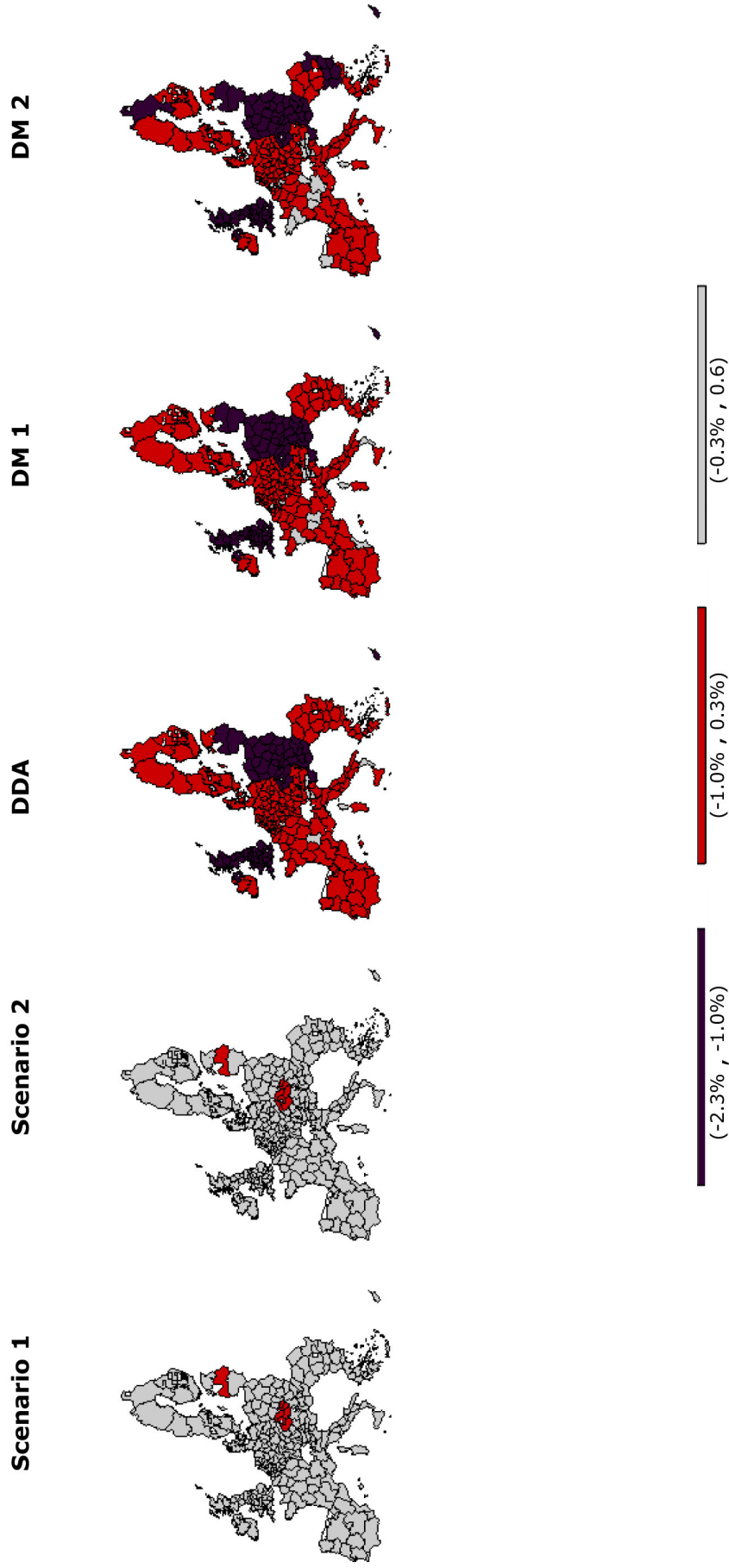


Figure A6.11: Change in revenue from poultry production (per ha UAA)

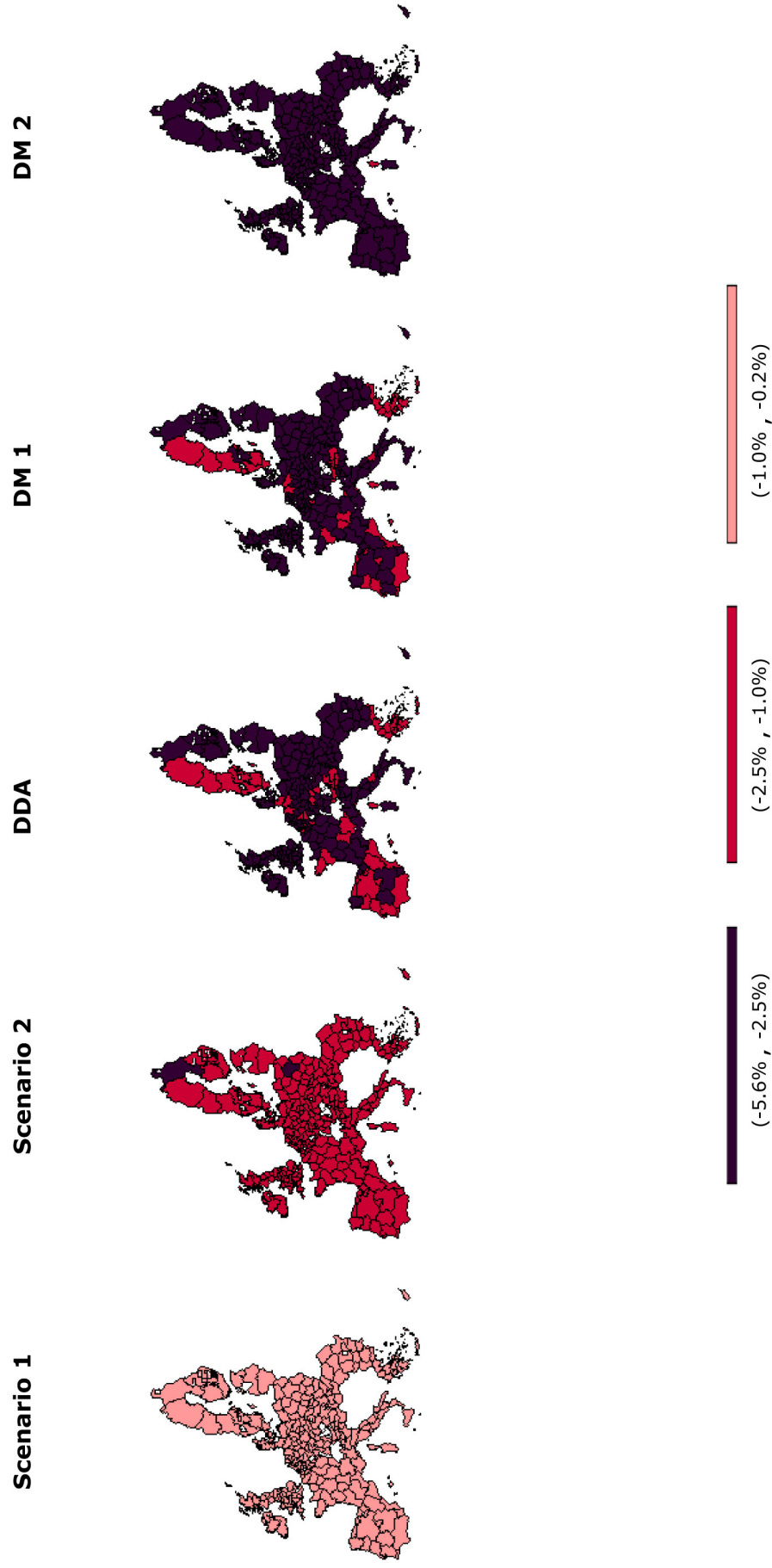


Figure A6.12: Change in revenue from sheep production (per ha UAA)

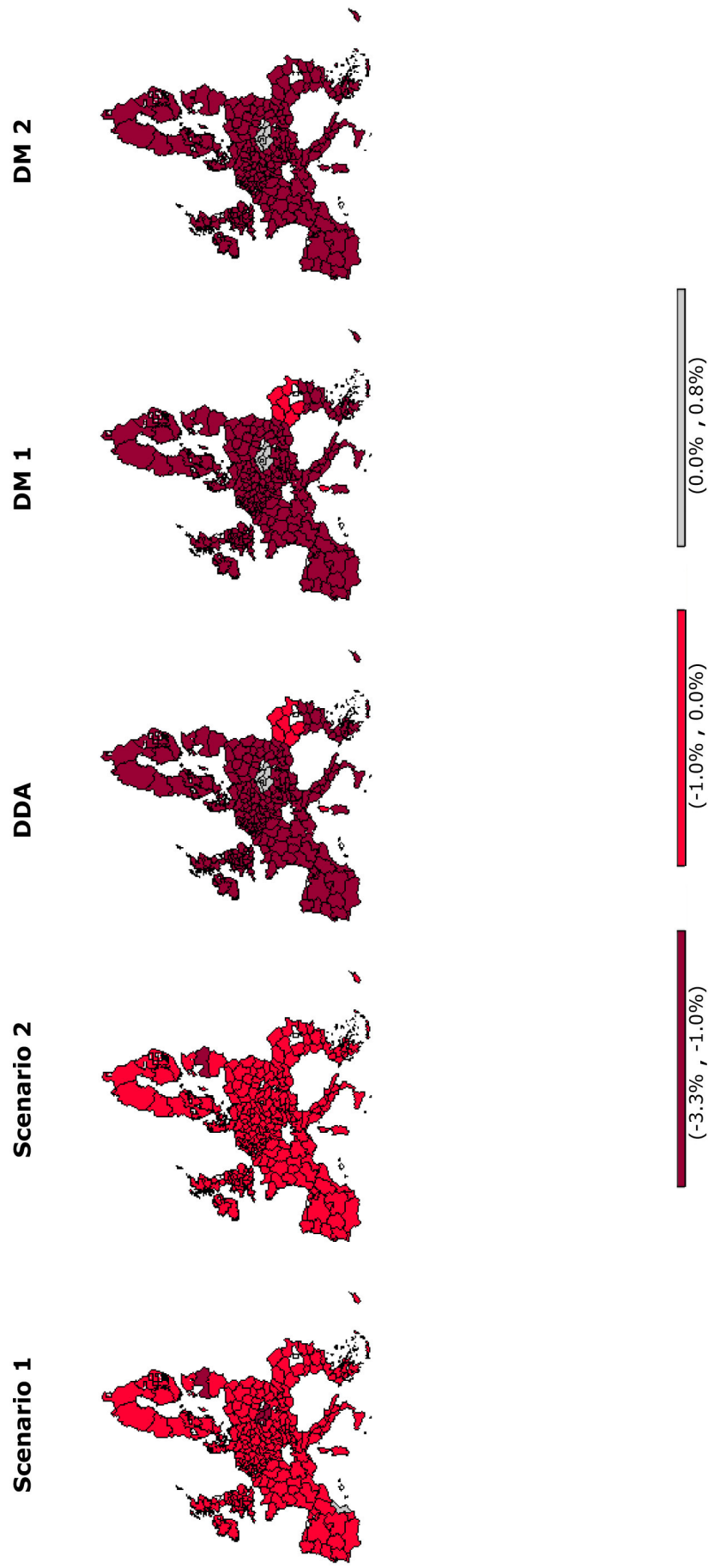


Figure A6.13: Change in revenues from soft wheat production (per ha UAA)

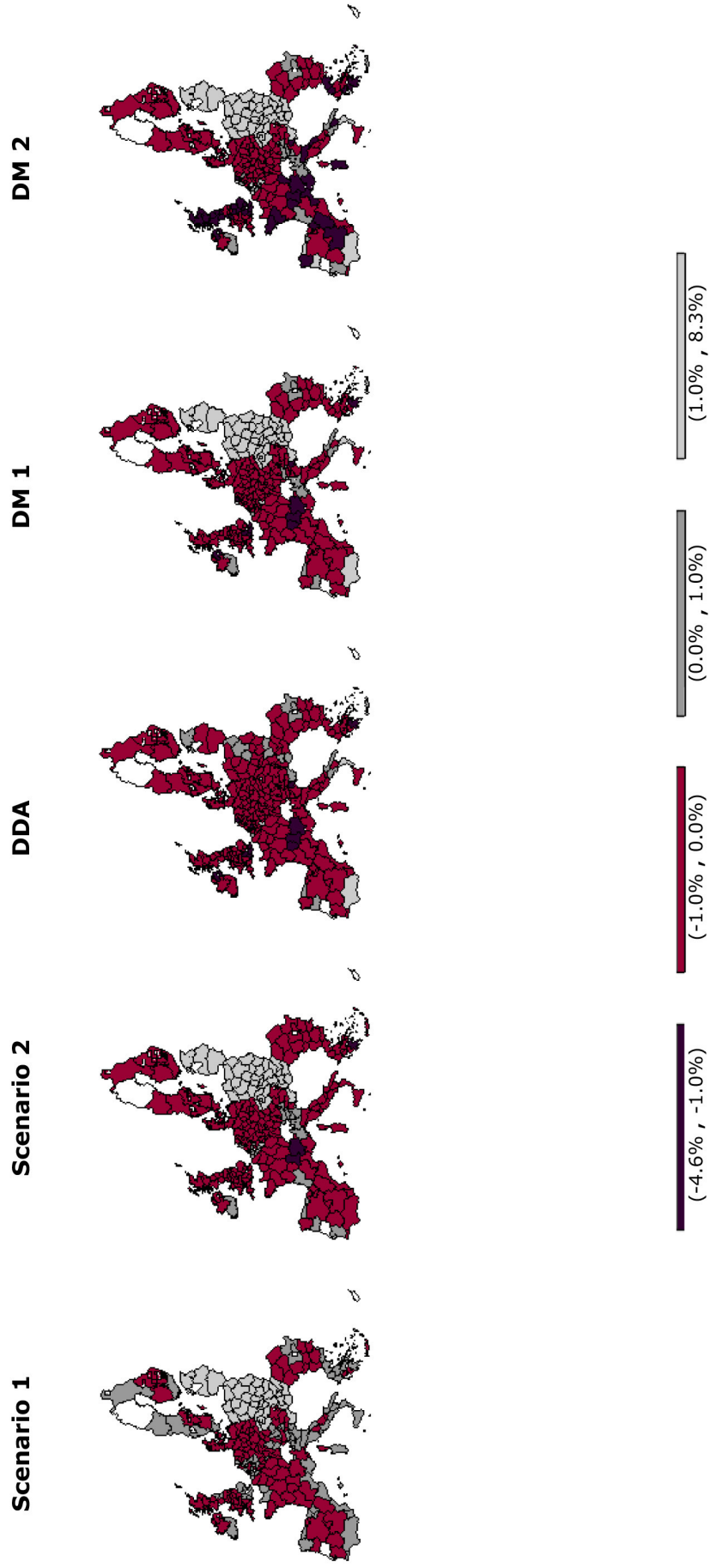


Figure A6.14: Change in revenues from vegetable and fruit production (per ha UAA)

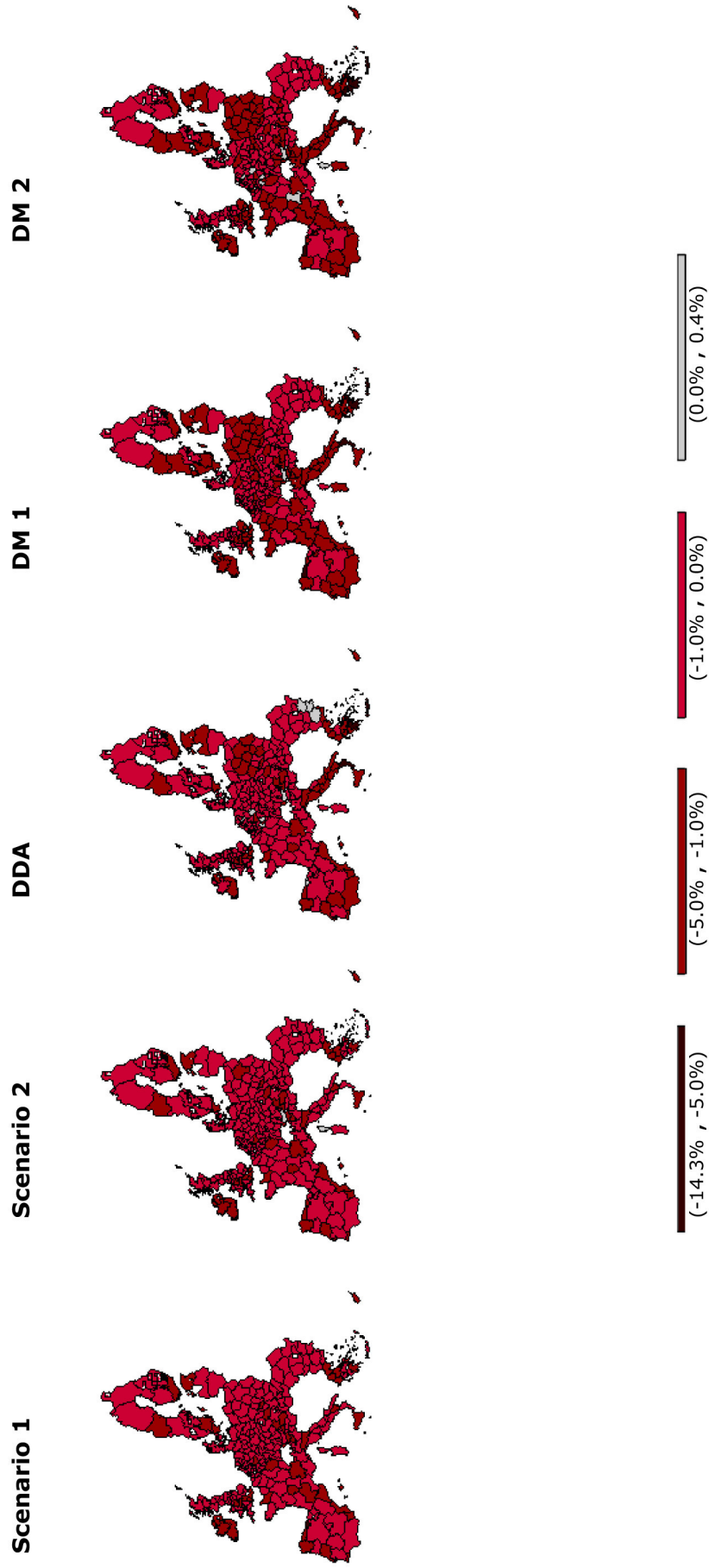


Figure A6.15: Change in revenue from tomato production (per ha UAA)

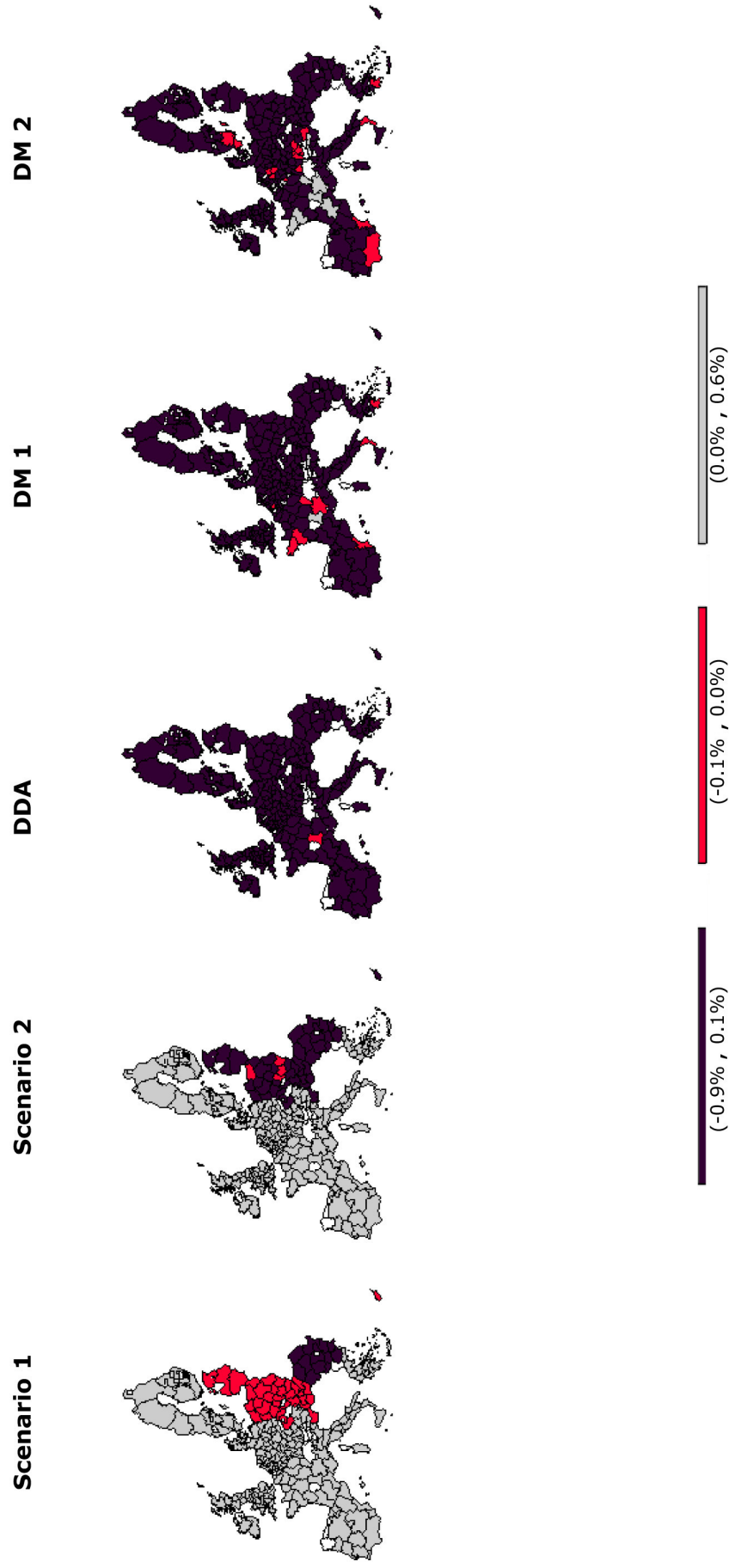
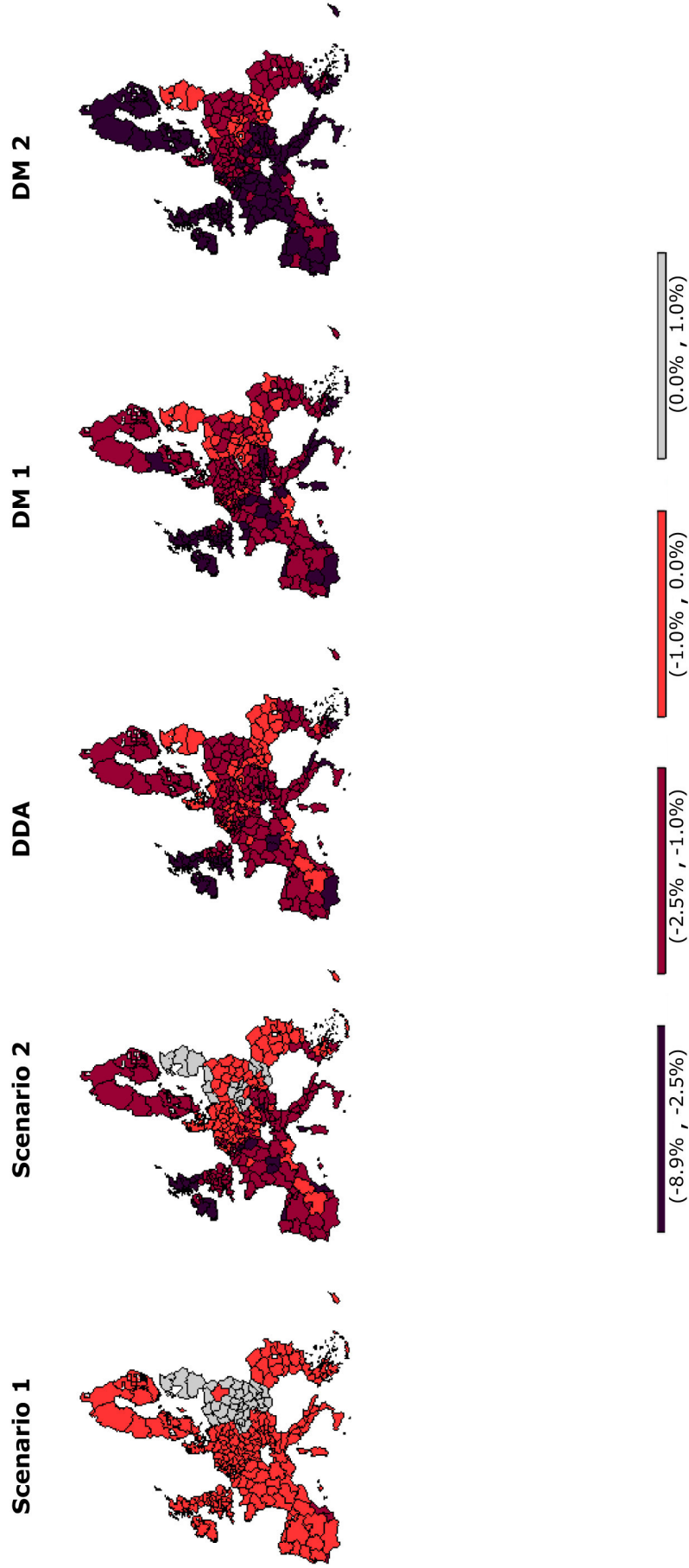


Figure A6.16: Change in revenues from all agricultural activities (per ha UAA)



European Commission

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Abstract

This report presents the simulations made with two different models of two alternative hypothetical versions of a bilateral free trade agreement between the EU and Mercosur. The two versions of the agreement are based on the final negotiating positions of each party in the previous unresolved negotiating round. A global CGE model, GLOBE, simulates the economy-wide impacts of the trade policy changes involving all sectors of the two regional blocks. A global partial equilibrium model, CAPRI, simulates only the impacts generated by changes in agricultural trade policy and incurred by the agricultural sectors of the two regions. However, CAPRI considers individual agricultural products in more detail and can generate the territorial distribution of their production within the EU at the NUTS 2 regional level.

The simulation results show that the economic losses and the adjustment pressures arising from a bilateral trade agreement between the EU and the countries of Mercosur would, as far as the EU is concerned, fall very heavily on the agricultural sector. The gains to other sectors would be widely diffused and, given the very small magnitude of these gains relative to the EU economy as a whole, would be easily absorbed without imposing an adjustment burden. The aggregate welfare changes for the EU, whether measured across the whole economy or on a partial basis with respect only to the activities agricultural production and food consumption, would be small. However, the trade-off involved in the redistribution of income between agriculture and the rest of the economy is steeper in the scenarios depicting the terms requested by Mercosur than in those involving the terms offered by the EU. The Mercosur request provokes a much greater downward impact on EU agriculture whereas the additional gains elsewhere (to non-agrifood sectors or to consumers in the EU) are relatively smaller.

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