

Tables for the Report

(Tables are numbered by the chapters and sections they appear)

Table 1.1 Poverty Rates in West Africa

Countries	Dollar a Day Poverty Rate (%) ¹		Actual annual change, 1990-2000* (%)
	1990	2000*	
Gabon	n/a	n/a	n/a
Sierra Leone	29.8	71.8	9.2
Guinea-Bissau	53.4	84.2	4.7
CAR	51.7	81.5	4.7
Togo	57.5	63.3	1.0
Mali	65.2	71.7	1.0
Niger	70.8	74.5	0.5
Cote d'Ivoire*	32.3	33.6	0.4
Chad	80.8	81.8	0.1
Senegal	57.9	53.9	-0.7
Nigeria	72.8	67.6	-0.7
Guinea	69.6	64	-0.8
Burkina Faso	44.5	40.5	-0.9
Mauritania	56.6	50.5	-1.1
Congo, Rep.	59.1	52	-1.3
Benin*	34.9	30.7	-1.3
Gambia	45.7	37.8	-1.9
Ghana*	52	40	-2.6
Cameroon*	53.3	40.2	-2.8
East Africa	59.4	61.4	0.3
Southern Africa	43.8	42.9	-0.2
West Africa	54.9	57.8	0.5
SSA	44.5	46.4	0.4

Source: UNIDO, 2004

Notes: *Based on national poverty line. The annual percent reduction in poverty required to halve poverty between 1990 and 2015 is 2.7 percent per year.

¹Years for 2000 vary between 1998 and 2001.

²Simple averages across countries

Table 2.1 National poverty rate and a projection for reaching MDG One in West Africa

Years to Meet MGD1						
Typology ¹	Country/ Region	1990 Poverty Rate ²	2004 Poverty Rate ³	MDG1 Poverty Rate	Business as Usual	6% of Agr. Growth with Business as Usual Nonagr. Growth
1	Burkina Faso	44.5	40.5	33.7	2018	2015
1	Cote d'Ivoire	33.6	32.3	17.8	n.a.	2043
1	Gambia	81.6	60.8	40.8	2021	2012
1	Guinea	45.7	38.8	22.8	2031	2022
1	Mali	76.0	60.8	38.0	2024	2014
1	Nigeria	72.8	68.4	36.4	2032	2021
1	Senegal	57.9	53.9	29.0	2030	2015
2	Benin	34.9	30.7	17.5	2015	2015
2	Cameroon	53.0	34.9	26.5	2017	2009
2	Chad	80.8	82.4	40.4	2025	2017
2	Ghana	52.0	34.0	26.0	2010	2009
2	Guinea- Bissau	53.4	84.2	26.7	n.a.	2027
2	Niger	70.8	76.6	35.4	2039	2019
	West Africa	60.0	54.2	30.0	2022	2015
	Africa	44.6	47.5	22.3	2027	2018

Sources: Poverty rates are from available national household surveys. If there is no national poverty rate available, the data from UNIDO is used.

¹ Countries in typology 1 with agricultural GDP share below 35%, and countries in typology 2 with agricultural GDP share above 35%

^{2, 3} The years that the countries conducted the surveys may not be exact 1990 and 2004, and the surveys closed to these two years are used

Table 2.2 Required agricultural growth and public resources and Maputo Declaration

Typology	Country/ Region	Current Agricultural Annual Growth Rates (1990-2004)	Required Annual Agricultural Growth Rate to Meet MDG1	Projected Annual Agriculture Expenditures in 2015 Needed to Meet MDG1	Projected Annual Agriculture Expenditures in 2008 Needed to Meet MDG1	Annual Agricultural Expenditures Required by Maputo 10% Budget Allocation	Gap Between the MDG1 and the 10% Maputo Requirement in 2008
		----- % -----		----- Million \$US -----			
1	Burkina Faso	5.2	6.8	2,524	625	282	344
1	Cote d'Ivoire	2.5	6.7	1,844	468	369	99
1	Gambia	3.3	5.5	404	179	79	100
1	Guinea	3.5	7.9	8,142	1,643	658	985
1	Mali	2.6	5.9	1,144	333	257	76
1	Nigeria	3.9	9.3	28,445	4,484	4,814	
1	Senegal	2.1	6.2	919	253	393	
2	Benin	5.8	6.5	495	136	165	
2	Cameroon	3.6	4.1	386	165	558	
2	Chad	4.8	8.4	2,336	452	182	270
2	Ghana	3.8	1.7	252	157	1,545	
	Guinea-						
2	Bissau	3.4	10.0	76	6	42	
2	Niger	3.2	9.3	271	45	170	
	<i>West Africa</i>	3.7	6.8	31,887	8,042	9,135	-

Sources: Authors calculation

Table 2.3 Government agricultural expenditures in West Africa (2004)

Typology	Country/Regina	Agricultural Expenditures, Million International \$US	Agricultural Spending as % of Total Government Spending	Agricultural Spending as % of Ag GDP
1	Burkina Faso	281.6	10.2	10.6
1	Cote d'Ivoire	213.8	5.8	3.5
1	Gambia	67.3	8.5	3.1
1	Guinea	280.0	9.9	4.8
1	Mali	164.7	6.4	8.1
1	Nigeria	1,560.0	3.2	5.0
1	Senegal	120.7	3.1	5.3
2	Benin	64.9	3.9	2.0
2	Cameroon	101.0	1.8	1.6
2	Chad	176.9	9.7	5.8
2	Ghana	99.6	6.1	0.4
2	Guinea-Bissau	2.2	0.5	0.5
2	Niger	16.1	1.0	0.5
	<i>West Africa</i>	<i>3,149</i>	<i>4.1</i>	<i>3.8</i>

Sources: Authors calculation

Table 3.1.1 Contribution of agriculture to overall economic growth in West Africa

	GDP growth rate 00-04 annual (%)	AgGDP growth rate 00-04 annual (%)	share of agriculture 2000 (%)	contribution to GDP growth 00-04 (%)	
				agriculture	nonag
Burkina Faso	6.8	4.2	33.9	21.0	79.0
Chad	6.6	0.7	39.2	4.1	95.9
Gambia	3.9	0.9	35.8	7.7	92.3
Guinea-Bissau	5.2	3.5	62.4	43.6	56.4
Mali	6.2	3.0	49.5	32.5	67.5
Mauritania	5.0	0.9	25.1	5.1	94.9
Niger	3.5	3.4	40.2	39.2	60.8
Senegal	4.1	0.1	19.4	0.6	99.4
Guinea	2.9	3.9	23.2	30.5	69.5
Cote d'Ivoire	1.0	2.0	24.7	51.9	48.1
Ghana	4.7	4.5	36.0	35.1	64.9
Togo	2.7	2.2	37.8	29.4	70.6
Benin	4.8	5.6	36.5	44.3	55.7
Nigeria	5.0	4.8	28.8	27.8	72.2
Cameroon	4.5	5.8	43.8	52.3	47.7
Cen. Afr. Rep.	1.1	4.1	49.7	151.5	-51.5
Gabon	1.6	4.8	6.4	17.4	82.6
Congo, Rep.	3.9	5.3	5.3	10.2	89.8
Congo, Dem. Rep.	-1.9	-2.2	63.2	58.9	41.1
<i>Sahelian</i>	5.7	2.3	30.9	14.7	85.3
<i>Coastal</i>	3.8	4.3	28.5	32.1	67.9
<i>Central</i>	3.0	3.3	34.0	43.0	57.0
Central w/t Gabon	3.4	3.2	41.9	47.8	52.2
West Africa	3.9	3.7	30.1	30.5	69.5

Source: Calculated from World Development Indicator (World Bank, 2006)

Table 3.1.2 Contribution of non-agricultural sectors to overall economic growth in West Africa (2000-2004 average)

	Growth rate			Share in GDP		Contribution to GDP	
	GDP	Industry	Service	Industry	Service	Industry	Service
Burkina Faso	6.8	8.5	5.6	17.6	47.3	22.0	38.5
Chad	6.6	12.4	6.6	15.6	49.6	29.1	49.2
Gambia	3.9	6.6	3.9	11.1	58.6	18.7	58.4
Guinea-Bissau	5.2	0.7	0.7	12.1	28.4	1.6	3.7
Mali	6.2	17.7	4.2	17.7	38.9	50.9	26.6
Mauritania	5.0	5.5	6.4	22.5	52.4	24.5	67.3
Niger	3.5	2.8	4.1	17.2	42.1	13.9	50.2
Senegal	4.1	6.3	4.8	20.5	61.9	31.4	72.7
Guinea	2.9	3.5	2.2	30.1	52.0	36.5	39.7
Cote d'Ivoire	1.0	-6.7	-0.6	24.2	53.8	-165.4	-30.4
Ghana	4.7	4.3	4.8	25.4	38.8	23.5	40.2
Benin	4.8	7.4	5.0	12.7	52.1	19.7	54.1
Nigeria	5.0	4.3	5.6	35.1	32.1	30.7	36.0
Cameroon	4.5	7.4	2.6	31.3	45.3	51.2	26.4
Cen. Afr. Rep.	1.1	-1.7	-3.4	14.6	35.9	-23.3	-113.7
Gabon	1.6	0.1	1.7	47.4	45.4	3.4	47.1
Congo, Rep	3.9	-0.9	9.9	61.3	30.4	-14.1	77.1
DRC	-1.9	7.6	3.3	17.7	32.7	-69.9	-56.4

Sources: Authors' calculation using data from WDI and IMF (2000-2005).

Table 3.1.3 Agricultural sub-sectors' contribution to overall agricultural growth in West Africa

	AgGDP growth rate	Ag sub-sector growth rate		Share of crops in AgGDP (2000, %)	Contribution to Agricultural growth	
		Crops 00-04 annual (%)	Livestock & fishing 00-04 annual (%)		Crops 00-04 (%)	Livestock & fishing 00-04 (%)
Burkina Faso	4.2	5.5	3.5	67.5	77.0	23.0
Chad	0.7	3.2	2.7	57.8	61.5	38.5
Gambia	0.9	-1.0	5.1	65.1	-57.8	157.8
Guinea-Bissau	3.5					
Mali	3.0	0.0	2.6	71.5	4.5	95.5
Mauritania	0.9	-8.3	0.7	21.0	150.9	-50.9
Niger	3.4	4.5	2.3	66.6	79.6	20.4
Senegal	0.1	-0.7	0.9	50.2	-267.6	367.6
Guinea	3.9	4.0	4.2	77.6	76.6	23.4
Cote d'Ivoire	2.0					
Ghana	4.5					
Benin	5.6	5.7	3.4	79.3	86.7	13.3
Nigeria	4.8	3.7	4.7	85.6	82.2	17.8
Cameroon	5.8	6.6	5.6	82.9	85.1	14.9
Cen. Afr. Rep.	4.1	0.7	2.9	69.0	36.3	63.7
Gabon	4.8					
Congo, Rep	5.3					
DRC	-2.2					

Sources: Authors' calculation using data from WDI and IMF (2000-2005).

Table 3.1.4 Non-agricultural sub-sectors' contribution to non-agricultural growth in West Africa (2000-2004 average)

	Industry GDP growth rate	Industry sub-sector growth rate			Share in Industry GDP			Contribution to Industry growth		
		Manufacturing	Construction	Mining	Manufacturing	Construction	Mining	Manufacturing	Construction	Mining
Burkina Faso	8.5	8.9	6.0		72.8	20.6		74.2	14.2	
Chad	12.4	1.8	6.4	40.8	62.9	10.4	22.4	9.9	5.7	77.9
Gambia	6.6	3.5	10.3		42.7	43.0		23.7	71.1	
Guinea-Bissau	0.7									
Mali	17.7	4.3	5.7	40.3	42.5	26.6	30.9	11.6	9.7	78.8
Mauritania	5.5	4.7	14.4	-1.1	19.4	27.6	53.0	21.3	92.0	-13.3
Niger	2.8	3.7	6.4	2.8	37.9	10.1	39.2	39.5	18.4	31.3
Senegal	6.3	6.3	6.3	8.3	64.0	23.2	1.4	64.3	23.0	1.9
Guinea	3.5	3.2	5.2	2.6	12.5	30.4	55.1	11.7	46.3	41.6
Cote d'Ivoire	-6.7	-7.4	-6.8	23.8	21.0	14.1	1.2	22.4	13.8	-4.1
Ghana	4.3	4.3	5.5	2.7	35.5	33.9	20.1	35.3	42.3	12.4
Benin	7.4	7.1	6.3	5.7	63.2	28.9	1.6	62.2	25.4	1.3
Nigeria	4.3	7.6	2.3	3.8	12.5	2.3	85.1	22.3	1.2	75.9
Cameroon	7.4	6.9	3.9	14.5	68.1	8.1	20.3	56.2	3.8	35.5
Cen. Afr. Rep.	-1.7	-10.0	2.4	-0.6	23.2	26.7	45.0	117.2	-31.8	12.8
Gabon	0.1	4.1	3.2	-1.9	10.0	5.6	82.0	-45.5	-20.1	175.7
Congo, Rep	-0.9	15.2	16.9	-4.4	8.9	3.0	87.1	-75.5	-27.8	213.6
DRC	7.6	-0.6	13.5	12.0	26.8	14.4	47.4	-2.8	32.3	94.3

Sources: Authors' calculation using data from IMF (2000-2005).

Table 3.1.5 Sectors' share in country's GDP in West Africa (2000)

Share (%)	Share in Ag sector			Share in Industry sector				Share of services in GDP	Share of public adm. in service sector
	Share of AgGDP in GDP	Crops	Livestock & fishing	Share of industry in GDP	Manufacturing	Construction	Mining		
Burkina Faso	35.1	67.5	32.5	17.6	72.8	20.6	0.0	47.3	32.2
Chad	34.8	57.8	42.2	15.6	62.9	10.4	22.4	49.6	32.3
Gambia	30.3	65.1	34.9	11.1	42.7	43.0	0.0	58.6	35.0
Guinea-Bissau	59.4	0.0	0.0	12.1	0.0	0.0	0.0	28.4	31.5
Mali	43.4	71.5	28.5	17.7	42.5	26.6	30.9	38.9	33.7
Mauritania	25.1	21.0	79.0	22.5	19.4	27.6	53.0	52.4	39.1
Niger	40.7	66.6	33.4	17.2	37.9	10.1	39.2	42.1	25.1
Senegal	17.6	50.2	49.8	20.5	64.0	23.2	1.4	61.9	14.2
Guinea	18.0	77.6	22.4	30.1	12.5	30.4	55.1	52.0	17.8
Cote d'Ivoire	22.0	0.0	0.0	24.2	21.0	14.1	1.2	53.8	30.0
Ghana	35.8	0.0	0.0	25.4	35.5	33.9	20.1	38.8	52.2
Benin	35.2	79.3	20.7	12.7	63.2	28.9	1.6	52.1	38.4
Nigeria	32.8	85.6	14.4	35.1	12.5	2.3	85.1	32.1	25.9
Cameroon	23.4	82.9	17.1	31.3	68.1	8.1	20.3	45.3	0.0
CAR	49.4	69.0	31.0	14.6	23.2	26.7	45.0	35.9	32.6
Gabon	7.3	0.0	0.0	47.4	10.0	5.6	82.0	45.4	36.0
CongoRep	8.4	0.0	0.0	61.3	8.9	3.0	87.1	30.4	36.0
DRC	49.5	0.0	0.0	17.7	26.8	14.4	47.4	32.7	14.0

Sources: Authors' calculation using IMF data (2000).

Table 3.1.6 Grouping of West African countries according to agricultural potential and economic structure

		Low income countries (GDP per capita in 2004 ≤ US\$ 1,000)				Middle income countries (GDP per capita in 2004 > US\$ 1,000)
		Agricultural share above average (36% GDP)		Agricultural share below average (36% GDP)		
		Falling GDP per capita (1995-04)	Rising GDP per capita (1995-04)	Falling GDP per capita (1995-04)	Rising GDP per capita (1995-04)	
More-favorable agricultural conditions (top two-thirds of FAO country-level farming system assessment)	Coastal	Guinea Bissau (84) Togo (63)	Benin (16) Ghana (45)	Cote d'Ivoire (14)	Gambia (38) Senegal (13)	
	Landlocked	Central African Rep (82) Dem Rep of Congo (92)			Burkina Faso (57)	
	Natural resources-rich	Sierra Leone (72)	Cameroon (40)	Republic Congo (52)	Guinea (64) Nigeria (68)	
Less-favorable agricultural conditions (lowest third of FAO country-level farming system assessment)		Niger (75)	Chad (82)		Mali (72) Mauritania (27)	Gabon (23)

Notes: The number in parentheses is national dollar-a-day poverty rate in 1999 (UNIDO, 2004; World Bank, 1995, 1997 and 2003). Agriculture shares are for 2004 from World Development Indicators (World Bank, 2006). Geographic and natural resource classification based on UNIDO (2004). Per capita GDP growth is measured in constant 2000 US dollars (World Bank, 2006).

Table 3.1.7 Conflicts and economic performance in West Africa, 1995-2004

		positive GDP per capita growth		negative GDP per capita growth	
		quick recovery	slow recovery	quick recovery	slow recovery
No war		Benin Burkina Faso Gambia Ghana Mali Mauritania		Togo	
at least 1 year in war	Minor conflicts	Cameroon Guinea Nigeria Chad		Niger	Central African Rep Cote D'Ivoire
	Intermediate conflicts	Senegal			
	Severe wars				Congo, Dem Rep Guinea Bissau Congo, Rep Sierra Leone

Note: Per capita GDP growth is measured in constant 2000 US dollars (World Bank, 2006). War data is from Harbom and Wallensteen "Armed Conflict and Its International Dimensions, 1946–2004" (2005). The definition of minor conflicts is at least 25 battle-related deaths per year for every year in the period. Intermediate conflicts are more than 25 battle-related deaths per year and a total conflict history of more than 1000 battle-related deaths, but fewer than 1,000 per year. Wars are at least 1000 battle-related deaths per year.

Table 3.2.1(a) Crop yield level in West Africa, irrigated (2000 – 2004 average, ton/ha)

	Maize	Rice	Wheat	Sorghum	Millet	Cereal Other
Burkina Faso		3.2				
Chad		2.6	1.6			
Gambia		3.0				
Guinea						
Bissau		2.6				
Mali		2.6	2.8	1.7	1.7	1.5
Mauritania		4.5		0.9		
Niger	1.7	5.6	1.8			
Senegal		4.2				
Guinea		3.30				
Sierra Leone		2.33				
Cote d'Ivoire		5.63				
Ghana		3.33				
Togo		3.41				
Benin		2.55				
Nigeria		2.77	1.24			
Cameroon		3.99				
CAR						
Gabon						
CongoR						
DRC		2.55				

Table 3.2.1 (b) Crop yield level in West Africa, irrigated (2000 – 2004 average, ton/ha)

	Potato	Sweet potato	Groundnut	Vegetable Do.	Vegetable Ex.
Burkina Faso				8.3	20.9
Chad				10.2	25.8
Gambia					13.2
Guinea					
Bissau					12.8
Mali			0.7	6.4	16.4
Mauritania					8.2
Niger	17.8			12.3	
Senegal				14.4	44.4
Guinea					7.51
Sierra Leone					16.38
Cote d'Ivoire				5.75	20.71
Ghana					11.47
Togo					33.12
Benin				4.01	9.49
Nigeria		7.93	1.92	5.86	16.68
Cameroon					11.18
CAR					20.15
Gabon			1.60		
CongoR				6.45	
DRC					26.60

Table 3.2.1 (c) Crop yield level in West Africa, irrigated (2000 – 2004 average, ton/ha)

	Fruit Do.	Fruit Ex.	Sugar Raw	Tree nuts	Tea	Rubber
Burkina Faso	5.2	39.4	100.0	0.4		
Chad	4.0		99.3			
Gambia		10.8				
Guinea Bissau		12.5				
Mali	12.2	42.4	72.1	0.7	0.6	
Mauritania		7.5				
Niger	4.9		63.0			
Senegal	6.9	14.1	108.5	0.4		
Guinea		6.77				
Sierra Leone		8.47				
Cote d'Ivoire	6.76	42.10	31.11	0.71		1.81
Ghana		12.48				
Togo		11.43				
Benin	6.81	13.93	40.16	0.22		
Nigeria	5.49	13.40	21.29	0.64		0.36
Cameroon		17.90				
CAR						
Gabon						
CongoR	6.44		55.74			
DRC						

Table 3.2.2 (a) Crop yield level in West Africa, rainfed (2000 – 2004 average, ton/ha)

	Maize	Rice	Wheat	Sorghum	Barley	Millet
Burkina Faso	1.6	1.0		0.9		0.8
Chad	0.7	0.9		0.7		0.5
Gambia	1.4	1.8		1.1		1.0
Guinea						
Bissau	1.3	1.1		0.8		0.8
Mali	1.1	0.9		0.7		0.6
Mauritania	0.9		1.0	0.4	2.0	0.2
Niger	0.8	2.8	0.9	0.2		0.4
Senegal	1.5	1.1		0.8		0.6
Guinea	1.1	1.4		0.8		0.8
Sierra Leone	0.9	1.4		1.0		1.0
Cote d'Ivoire	0.9	2.1		0.5		0.8
Ghana	1.5	2.0		1.0		0.8
Togo	1.2	1.9		0.8		0.5
Benin	1.1	1.9		0.9		0.8
Nigeria	1.2	1.0		1.2		0.9
Cameroon	1.3	1.6	1.3	0.9		0.7
CAR	1.0	1.9		0.8		0.9
Gabon	1.5	2.0				
CongoR	0.8	0.7				
DRC	0.8	0.7	1.1	0.7	0.64	0.7

Table 3.2.2 (b) Crop yield level in West Africa, rainfed (2000 – 2004 average, ton/ha)

	Cereal	Other	Cassava	Potato	Sweet potato	yams	Root	Other
Burkina Faso	0.8		2.0	6.0	8.2	7.9		
Chad	1.0		11.7	5.6	2.6	9.6		3.0
Gambia			3.0					
Guinea								
Bissau	0.5		15.3					6.2
Mali	0.6		11.0		13.9	12.7		
Mauritania				5.1	1.0	6.3		
Niger	0.8		21.0	9.5	15.4			
Senegal	0.5		5.6	18.8	5.0			
Guinea	1.0		5.1		3.0	11.7		6.2
Sierra Leone	1.1		5.3		2.5			2.6
Cote d'Ivoire	0.6		5.1		2.2	9.6		1.4
Ghana	0.7		9.5		1.4	12.5		6.6
Togo	1.0		6.0		1.1	10.5		1.4
Benin	0.6		8.8	2.8	5.1	11.6		3.5
Nigeria	0.5		11.4	4.5	4.2	9.9		5.9
Cameroon			8.7	4.1	5.0	8.3		5.8
CAR			2.9	2.6		6.3		2.8
Gabon			5.1		1.8	7.1		5.9
CongoR			9.1	9.2	6.8	6.5		8.0
DRC			8.1	4.6	5.0	5.2		5.3

Table 3.2.2 (c) Crop yield level in West Africa, rainfed (2000 – 2004 average, ton/ha)

	Beans	Pulse Other	Groundnut	Soybean	Oilcrop Other	Vegetable Do.
Burkina Faso		0.5	0.8	1.1	0.5	8.3
Chad	0.5	0.8	0.9		0.4	10.2
Gambia		0.2	1.0		0.3	5.1
Guinea						
Bissau		0.6	1.2		5.1	5.1
Mali		0.3	0.8		0.3	6.4
Mauritania	1.0	0.4	0.8			1.3
Niger	0.5	0.1	0.6		0.4	12.3
Senegal		0.2	0.8		0.8	14.4
Guinea		0.86	1.25		2.86	3.01
Sierra Leone		0.68	0.76		0.77	6.08
Cote d'Ivoire		0.68	1.02	1.20	3.21	5.75
Ghana		0.95	1.04		2.87	4.55
Togo	0.28	0.68	0.54		1.71	4.92
Benin	0.71	0.82	0.83	0.80	1.07	4.01
Nigeria		0.43	0.84	0.72	1.16	5.86
Cameroon	0.87	1.90	0.67	0.59	0.31	3.84
CAR		0.93	1.10		1.35	8.07
Gabon		0.67	0.93	1.05		6.61
CongoR	0.79	0.76	0.60		2.47	6.45
DRC	0.54	0.61	0.78	0.48	0.45	6.16

Table 3.2.2 (d) Crop yield level in West Africa, rainfed (2000 – 2004 average, ton/ha)

	Vegetable Ex.	Fruit Do.	Fruit Ex.	Banana	Sugar Raw	Cocoa
Burkina Faso		5.2				
Chad		4.0				
Gambia	13.2	4.5	10.8			
Guinea						
Bissau		6.2		3.1	27.5	
Mali		12.2				
Mauritania	8.2	3.2	7.5			
Niger	42.1	4.9	18.2		36.9	
Senegal		6.9		17.3		
Guinea		3.46		4.72	52.69	0.39
Sierra Leone		4.12		5.64	72.20	0.36
Cote d'Ivoire		6.76		4.03		0.59
Ghana		5.82		8.05	25.45	0.52
Togo	33.12	5.17	11.43	7.09		0.31
Benin		6.81		5.20		0.33
Nigeria		5.49		5.39		0.17
Cameroon		5.76		6.48	10.00	0.45
CAR		4.78		4.20	7.20	0.35
Gabon		1.63		5.46	58.82	0.07
CongoR	57.18	6.44		7.75	36.67	0.30
DRC		14.90		4.32	43.24	0.30

Table 3.2.2 (e) Crop yield level in West Africa, rainfed (2000 – 2004 average, ton/ha)

	Coffee	Cotton Lint	Tree nuts	Rubber	Oil palm	Tea
Burkina Faso		0.4	0.4			
Chad		0.2				
Gambia		0.1			0.6	
Guinea						
Bissau		0.4	0.4		0.8	
Mali		0.5	0.7			
Mauritania						
Niger		0.3				
Senegal		0.5	0.4		0.8	
Guinea	0.41	0.50	0.70	0.55	0.17	
Sierra Leone	1.08				1.02	
Cote d'Ivoire	0.37	0.53	0.71		0.32	
Ghana	0.18	0.28	0.40	0.67	0.31	
Togo	0.28	0.39	0.95		0.78	
Benin	0.20	0.41	0.22		0.84	
Nigeria	0.91	0.25	0.64		0.19	
Cameroon	0.28	0.51		1.20	0.79	0.82
CAR	0.49	0.25		0.83	0.56	
Gabon	0.32			1.00		
CongoR	0.30			0.80	0.42	
DRC	0.39	0.23		0.23	0.32	0.69

Table 3.2.3 (a) Cereal yield comparison between West African countries and other regions in the world, irrigated crops in West Africa (2000 – 2004 average, ton/ha)

	Maize	Rice	Wheat	Sorghum	Millet
Burkina Faso		3.2			
Chad		2.6	1.6		
Gambia		3.0			
Guinea Bissau		2.6			
Mali		2.6	2.8	1.7	1.7
Mauritania		4.5		0.9	
Niger	1.7	5.6	1.8		
Senegal		4.2			
Guinea		3.3			
Sierra Leone		2.3			
Cote d'Ivoire		5.6			
Ghana		3.3			
Togo		3.4			
Benin		2.6			
Nigeria		1.8	1.24		
Cameroon		4.0			
CAR					
Gabon					
CongoR					
DRC		2.6			
Other regions in the world					
East and Southeast Asia	4.1	4.6	3.7	1.0	1.6
South Asia	2.0	2.3	2.8	2.8	3.0
LAC	2.7	3.7	2.2	1.3	1.5
Sub-Saharan Africa (w/t South Africa)	1.3	1.6	1.5	2.0	1.9
South Africa	2.8	3.3	3.2	1.3	0.8

Note: data for the regions/countries outside West Africa is for 2000 and for both irrigated and rain crops

Table 3.2.3 (b) Cereal yield comparison between West African countries and other regions in the world, rained crops in West Africa (2000 – 2004 average, ton/ha)

	Maize	Rice	Wheat	Sorghum	Millet
Burkina Faso	1.6	1.0		0.9	0.8
Chad	0.7	0.9		0.7	0.5
Gambia	1.4	1.8		1.1	1.0
Guinea Bissau	1.3	1.1		0.8	0.8
Mali	1.1	0.9		0.7	0.6
Mauritania	0.9		1.0	0.4	0.2
Niger	0.8	2.8	0.9	0.2	0.4
Senegal	1.5	1.1		0.8	0.6
Guinea	1.1	1.4		0.8	0.8
Sierra Leone	0.9	1.2		1.0	1.0
Cote d'Ivoire	0.9	2.1		0.5	0.8
Ghana	1.5	2.0		1.0	0.8
Togo	1.2	1.9		0.8	0.5
Benin	1.1	1.9		0.9	0.8
Nigeria	1.1	0.6		1.1	1.0
Cameroon	1.3	1.6	1.3	0.9	0.7
CAR	1.0	1.9		0.8	0.9
Gabon	1.5	2.0			
CongoR	0.8	0.7			
DRC	0.8	0.7	1.1	0.7	0.7
Other regions in the world					
East and Southeast Asia	4.1	4.6	3.7	1.0	1.6
South Asia	2.0	2.3	2.8	2.8	3.0
LAC	2.7	3.7	2.2	1.3	1.5
Sub-Saharan Africa (w/t South Africa)	1.3	1.6	1.5	2.0	1.9
South Africa	2.8	3.3	3.2	1.3	0.8

Note: data for the regions/countries outside West Africa is for 2000 and for both irrigated and rain crops

Table 3.2.4 Root crop yield comparison between West African countries and other regions in the world, rainfed crops in West Africa (2000 – 2004 average, ton/ha)

	Cassava	Potato	Sweet potato
Burkina Faso	2.0	6.0	8.2
Chad	11.7	5.6	2.6
Gambia	3.0		
Guinea Bissau	15.3		
Mali	11.0		13.9
Mauritania		5.1	1.0
Niger	21.0	9.5	15.4
Senegal	5.6	18.8	5.0
Guinea	5.1		3.0
Sierra Leone	5.3		2.5
Cote d'Ivoire	5.1		2.2
Ghana	9.5		1.4
Togo	6.0		1.1
Benin	8.8	2.8	5.1
Nigeria	9.6	4.0	4.2
Cameroon	8.7	4.1	5.0
CAR	2.9	2.6	
Gabon	5.1		1.8
CongoR	9.1	9.2	6.8
DRC	8.1	4.6	5.0
Other regions in the world			
East and Southeast Asia	13.3	13.9	18.5
South Asia	19.5	16.6	9.5
LAC	13.3	14.5	7.8
Sub-Saharan Africa (w/t South Africa)	9.2	6.8	7.9
South Africa			10.5

Table 3.3.1 (a) Agricultural importing and exporting countries in West Africa (2000 – 2004 average)

	Maize	Rice	Wheat	Sorghum	Barley	Millet	Other cereals
Burkina Faso	E	M	M		M		
Chad	M		M		M		
Gambia	M	M	M		M		
Guinea							
Bissau	M	M	M		M		
Mali	M	M	M		M	M	
Mauritania	M	M	M	M	M		
Niger	M	M	M		M		
Senegal	M	M	M		M		
Guinea	M	M	M		M		
Sierra Leone	M	M	M		M		
Cote d'Ivoire		M	M	M	M		
Ghana		M	M		M		M
Togo		M	M		M		
Benin		M	M		M		
Nigeria		M	M		M		
Cameroon	M	M	M		M		
CAR		M	M		M		
Gabon	M	M	M		M		
CongoR	M	M	M		M		
DRC	M	M	M		M		

M indicates the ratio of imports over domestic consumption greater than 1.5%; E indicates the ratio of exports over total production greater than 1.5%; the empty sets indicate almost balance in production and consumption.

Source: Authors' calculation using FAO data

Table 3.3.1 (b) Agricultural importing and exporting countries in West Africa (2000 – 2004 average)

	Cassava	Potato	Sweet potato	Yams	Other roots	Banana
Burkina Faso					M	M
Chad						
Gambia					M	
Guinea						
Bissau						
Mali				M	M	M
Mauritania					M	M
Niger				M	M	M
Senegal						M
Guinea		M				
Sierra Leone		M			M	
Cote d'Ivoire		M				E
Ghana		M				
Togo		M				
Benin		M				
Nigeria						
Cameroon						E
CAR						
Gabon		M	M		M	
CongoR		M			M	
DRC		M				

M indicates the ratio of imports over domestic consumption greater than 1.5%; E indicates the ratio of exports over total production greater than 1.5%; the empty sets indicate almost balance in production and consumption.

Source: Authors' calculation using FAO data

Table 3.3.1 (c) Agricultural importing and exporting countries in West Africa (2000 – 2004 average)

	Beans	Groundnut	Soybean	Other oilcrops	Oilpalm	VegOil
Burkina Faso	M			E		M
Chad						M
Gambia		E		M		M
Guinea						
Bissau					E	M
Mali	M	E		M	M	M
Mauritania		M	M	M		M
Niger	E			E		M
Senegal	M	E		M		M
Guinea	M		M			M
Sierra Leone	M	M				M
Cote d'Ivoire	M			E	E	
Ghana	M		M	E	M	M
Togo		E		E	E	M
Benin			M	E	E	M
Nigeria	M		E	E	E	M
Cameroon	E		M	M		M
CAR	M					M
Gabon	M	M	M			M
CongoR	M	M	M	M	E	M
DRC	M			M		M

M indicates the ratio of imports over domestic consumption greater than 1.5%; E indicates the ratio of exports over total production greater than 1.5%; the empty sets indicate almost balance in production and consumption.

Source: Authors' calculation using FAO data

Table 3.3.1 (d) Agricultural importing and exporting countries in West Africa (2000 – 2004 average)

	Raw sugar	Cocoa	Coffee	Cotton	Tree nuts	Rubber	Tea	Vegetable	Fruits
Burkina Faso	M	M	M	E	M		M	E	E
Chad	M		M	E	M		M	E	
Gambia	M	M	M	E			M	E	E
Guinea									
Bissau	M	M	M	E	E		M	E	E
Mali	M	M	M	E	M		M	E	E
Mauritania	M	M	M	M			M	E	E
Niger	M	M	M	E	M		M	E	E
Senegal	M	M	M	E	E		M	E	E
Guinea	M	E	E	E	E	E	M	E	E
Sierra Leone	M	E	E				M	E	E
Cote d'Ivoire	E	E	E	E	E	E	E	E	E
Ghana	M	E	E	E	E	E	M	E	E
Togo	M	E	E	E	E	M	M	E	E
Benin	M	M	M	E	E	M	M	E	E
Nigeria	M	E	M		E	E	M	E	E
Cameroon	M	E	E	E		E	M	E	E
CAR	M	M	E	E		E	M	E	
Gabon	E	E	M	M	M	E	M		
CongoR	E	E	E	M	M	E	M	E	
DRC	M	E	E	M	M	E	E	E	

M indicates the ratio of imports over domestic consumption greater than 1.5%; E indicates the ratio of exports over total production greater than 1.5%; the empty sets indicate almost balance in production and consumption.

Source: Authors' calculation using FAO data

Table 3.3.1 (e) Agricultural importing and exporting countries in West Africa (2000 – 2004 average)

	Cattle	Sheep and goat	Beef	Sheep and goat meat	Poultry and eggs	Other meat	Fish	Milk
Burkina Faso	E	E					M	M
Chad	E	E						M
Gambia					M	M		M
Guinea Bissau			M		M		E	M
Mali	E	E					M	M
Mauritania		E			M		E	M
Niger	E	E					E	M
Senegal	M	M	M		M		E	M
Guinea	E	E	M		M	M	M	M
Sierra Leone	M	M	M	M	M	M	E	M
Cote d'Ivoire	M	M	M		M	M	M	M
Ghana	M	M	M	M	M	M	M	M
Togo	M		M		M	M	M	M
Benin	M	M			M	M	M	M
Nigeria	M	M					M	M
Cameroon	M				M	M	M	M
CAR	E	M					M	M
Gabon	M		M	M	M	M	M	M
CongoR		M	M	M	M	M	M	M
DRC	M		M		M		M	M

M indicates the ratio of imports over domestic consumption greater than 1.5%; E indicates the ratio of exports over total production greater than 1.5%; the empty sets indicate almost balance in production and consumption.

Source: Authors' calculation using FAO data

Table 3.3.2 (a) West African major agricultural export commodities –1996-2000 annual average

	Rank*	(1) W. Africa to the world		(2) W. Africa to SSA		(3) W. Africa to W. Africa		Share of intra-regional trade	
		Value (Million \$US)	Share in (1) (%)	Value (Million \$US)	Share in (2) (%)	Value (Million \$US)	Share in (3) (%)	(2)/(1) (%)	
Staples	Other cereals	16	23	0.3	19	4.5	19	5.1	82.3
	Meat	19	15	0.2	10	2.2	9	2.5	64.9
	Livestock	21	10	0.1	10	2.2	10	2.6	98.3
	Maize	25	2	0.0	2	0.5	2	0.5	88.7
	Cassava	26	2	0.0	0	0.0	0	0.0	0.4
	Beans	28	1	0.0	1	0.2	1	0.2	67.2
	Sub-Total		52	0.7	41	9.6	40	11.0	79.8
Non-traditional	Fish	2	1,122	15.8	136	31.5	135	37.1	12.1
	Vegetable&fruits	4	551	7.8	11	2.6	11	3.0	2.0
	Oils and fat	7	195	2.8	45	10.4	44	12.2	23.0
	Miscellaneous	8	172	2.4	15	3.5	1	0.4	8.9
	Oilseeds	11	82	1.2	6	1.5	5	1.4	7.7
	Processed food	14	62	0.9	32	7.4	31	8.6	51.5
	Beverages	20	12	0.2	7	1.7	7	1.9	59.6
Sub-Total		2,194	31.0	252	58.6	234	64.5	11.5	
Traditional	Cocoa bean	1	2,321	32.8	9	2.0	1	0.4	0.4
	Cotton	3	1,028	14.5	57	13.2	30	8.1	5.5
	Coffee green	5	534	7.5	3	0.6	1	0.4	0.5
	Cashew nuts	10	102	1.4	1	0.1	0	0.1	0.6
	Sugar	15	53	0.8	11	2.7	11	3.0	21.5
	Other nuts	17	22	0.3	6	1.3	5	1.4	25.2
	Tobacco	22	8	0.1	1	0.3	1	0.4	17.4
	Tea	24	3	0.0	1	0.3	1	0.3	49.1
	Other fibers	27	1	0.0	0	0.0	0	0.1	14.2
Sub-Total		4,072	57.5	89	20.6	51	14.1	2.2	
Others	Processed cocoa	6	450	6.3	10	2.4	2	0.5	2.3
	Animal skin	9	144	2.0	2	0.4	2	0.5	1.2
	Coffee roasted	12	78	1.1	17	4.0	17	4.6	22.1
	Feed stuffs	13	70	1.0	6	1.5	5	1.3	9.2
	Cigarettes	18	18	0.3	12	2.9	12	3.3	68.1
	Spices	23	6	0.1	0	0.1	0	0.1	7.6
Sub-Total		765	10.8	48	11.2	38	10.4	6.3	
TOTAL		7,084		430		363		6.1	

Source: Authors' calculation using UN comtrade data

Table 3.3.2 (b) West African major agricultural import commodities –1996-2000 annual average

	Rank*	(1) W. Africa from the world		(2) W. Africa from SSA		(3) W. Africa to W. Africa		Share of intra-regional trade	
		Value (Million \$US)	Share in (1) (%)	Value (Million \$US)	Share in (2) (%)	Value (Million \$US)	Share in (3) (%)	(2)/(1) (%)	
Staples	Other cereals	1	1,306	29.4	26	5.8	19	5.1	2.0
	Meat	3	543	12.2	15	3.5	9	2.5	2.8
	Maize	16	21	0.5	5	1.1	2	0.5	23.0
	Livestock	17	15	0.3	10	2.2	10	2.6	64.4
	Beans	20	11	0.3	1	0.3	1	0.2	10.2
	Cassava	28	0	0.0	0	0.0	0	0.0	90.0
	Sub-Total		1,897	42.8	57	12.8	40	11.0	3.0
Non-traditional	Fish	2	545	12.3	157	35.3	135	37.1	28.8
	Oils and fat	5	347	7.8	46	10.3	44	12.2	13.2
	Processed food	6	288	6.5	34	7.7	31	8.6	11.9
	Vegetable&fruits	8	173	3.9	17	3.9	11	3.0	10.1
	Beverages	9	152	3.4	10	2.3	7	1.9	6.7
	Miscellaneous	10	71	1.6	3	0.7	1	0.4	4.4
	Oilseeds	19	12	0.3	5	1.2	5	1.4	44.4
Sub-Total		1,588	35.8	273	61.5	234	64.5	17.2	
Traditional	Sugar	4	485	10.9	19	4.4	11	3.0	4.0
	Tea	11	59	1.3	4	0.8	1	0.3	6.2
	Tobacco	12	50	1.1	4	0.9	1	0.4	8.3
	Cotton	14	39	0.9	30	6.8	30	8.1	76.2
	Coffee green	21	10	0.2	7	1.5	1	0.4	65.7
	Other fibers	24	9	0.2	0	0.1	0	0.1	4.3
	Other nuts	25	6	0.1	5	1.1	5	1.4	89.0
	Cocoa bean	26	4	0.1	1	0.3	1	0.4	31.1
	Cashew nuts	27	1	0.0	0	0.1	0	0.1	80.5
Sub-Total		663	14.9	71	16.1	51	14.1	10.8	
Others	Cigarettes	7	182	4.1	15	3.4	12	3.3	8.3
	Coffee roasted	13	48	1.1	17	3.9	17	4.6	35.9
	Feed stuff	15	28	0.6	6	1.3	5	1.3	20.2
	Processed cocoa	18	12	0.3	2	0.5	2	0.5	19.4
	Spices	22	10	0.2	0	0.1	0	0.1	4.8
	Animal skin	23	9	0.2	2	0.4	2	0.5	20.1
Sub-Total		289	6.5	43	9.6	38	10.4	14.8	
TOTAL		4,437		444		363		10.0	

Source: Authors' calculation using UN comtrade data

Table 3.3.3 (a) Average budget share by commodity (%), Mali 2001

		Maize	Millet	Rice	Sorghum	Wheat	Other Cereal
Urban	1st	1.21	10.95	14.98	1.49	1.13	0.51
	2nd	1.36	7.82	14.95	0.92	2.30	0.09
	3rd	1.09	6.63	13.90	0.67	2.39	0.35
	4th	0.57	5.40	11.62	1.04	2.96	0.14
	5th	0.47	3.75	8.07	0.74	3.31	0.22
	Urban total	0.76	5.65	11.21	0.87	2.79	0.23
Rural	1st	5.50	33.65	3.99	4.92	0.27	0.32
	2nd	4.87	27.18	8.05	4.42	0.39	0.52
	3rd	4.02	23.91	10.35	3.48	0.53	0.43
	4th	2.32	17.49	11.68	4.54	0.69	0.53
	5th	1.33	10.71	12.52	2.75	1.49	0.24
	Rural total	2.68	17.80	10.87	3.60	0.95	0.37
National	1st	5.11	30.41	5.19	5.00	0.35	0.43
	2nd	4.64	25.07	9.53	3.65	0.50	0.62
	3rd	2.24	17.71	12.38	3.94	0.71	0.32
	4th	1.70	12.12	13.12	2.20	1.56	0.36
	5th	0.75	5.96	10.67	1.43	2.62	0.20
	National total	1.84	12.53	11.02	2.42	1.75	0.31

Table 3.3.3 (b) Average budget share by commodity (%), Mali 2001

		Roots	Pulses	Groundnut	Oilseed	Sugar	Banana
Urban	1st	0.56	0.93	4.90	0.09	3.71	0.05
	2nd	1.08	0.94	3.64	0.04	3.20	0.06
	3rd	1.51	0.97	3.50	0.03	3.08	0.17
	4th	1.96	1.11	3.15	0.04	3.02	0.35
	5th	1.97	0.63	2.15	0.04	2.56	0.42
	Urban total	1.68	0.85	2.99	0.04	2.91	0.29
Rural	1st	0.88	1.78	2.41	0.16	3.15	0.03
	2nd	0.74	1.74	2.29	0.19	3.36	0.03
	3rd	0.47	1.19	2.82	0.07	3.24	0.02
	4th	0.67	1.75	3.77	0.13	4.38	0.04
	5th	1.12	1.25	2.76	0.09	3.57	0.09
	Rural total	0.86	1.45	2.91	0.11	3.64	0.06
National	1st	1.10	1.64	2.42	0.17	3.32	0.04
	2nd	0.44	1.58	2.70	0.13	3.28	0.02
	3rd	0.68	1.53	3.78	0.10	4.09	0.04
	4th	0.92	1.18	3.42	0.11	3.56	0.05
	5th	1.70	0.94	2.58	0.04	2.98	0.29
	National total	1.21	1.19	2.95	0.08	3.33	0.16

Table 3.3.3 (c) Average budget share by commodity (%), Mali 2001

		Fruit	Vegetable	Vegoil	Beef	Mutton	Pork
Urban	1st	0.70	13.82	3.16	7.69	1.94	0.08
	2nd	0.84	13.05	3.30	6.71	2.45	0.00
	3rd	0.94	12.69	3.28	7.20	2.44	0.00
	4th	0.82	12.12	2.97	6.83	2.55	0.01
	5th	0.71	10.06	2.53	5.82	1.75	0.02
	Urban total	0.79	11.61	2.90	6.53	2.14	0.02
Rural	1st	0.53	12.97	1.07	1.91	2.04	0.01
	2nd	0.84	11.14	1.55	2.59	1.98	0.01
	3rd	0.78	10.88	1.56	3.54	1.88	0.01
	4th	0.68	9.50	1.79	5.42	2.20	0.07
	5th	0.70	7.79	2.00	5.92	2.16	0.05
	Rural total	0.71	9.40	1.77	4.77	2.10	0.04
National	1st	0.52	12.24	1.30	2.30	2.11	0.05
	2nd	0.87	11.43	1.54	3.19	1.79	0.01
	3rd	0.70	10.47	2.04	5.67	2.05	0.05
	4th	0.79	10.81	2.65	6.06	2.70	0.06
	5th	0.74	9.63	2.43	6.18	1.93	0.02
	National total	0.74	10.36	2.26	5.53	2.12	0.03

Table 3.3.3 (d) Average budget share by commodity (%), Mali 2001

		Poultry	Other Meat	Milk	Egg	Fish	Other Livestock
Urban	1st	0.22	0.12	0.91	0.00	6.53	0.22
	2nd	0.53	0.13	1.25	0.01	6.77	0.16
	3rd	0.84	0.16	1.72	0.05	6.26	0.22
	4th	0.80	0.20	1.86	0.09	7.00	0.12
	5th	1.69	0.21	2.67	0.12	6.97	0.14
	Urban total	1.10	0.18	2.02	0.08	6.80	0.16
Rural	1st	0.21	0.04	0.76	0.00	4.21	0.12
	2nd	0.48	0.06	1.35	0.01	5.25	0.05
	3rd	0.41	0.03	1.47	0.00	5.57	0.11
	4th	0.44	0.03	2.01	0.01	5.16	0.11
	5th	0.74	0.07	2.06	0.01	5.19	0.13
	Rural total	0.56	0.05	1.78	0.01	5.18	0.11
National	1st	0.26	0.06	0.99	0.00	4.96	0.08
	2nd	0.48	0.05	1.31	0.00	5.21	0.10
	3rd	0.35	0.05	1.72	0.01	5.51	0.11
	4th	0.63	0.08	1.78	0.01	5.80	0.16
	5th	1.15	0.16	2.23	0.08	6.31	0.14
	National total	0.79	0.11	1.89	0.04	5.88	0.13

Table 3.3.3 (e) Average budget share by commodity (%), Mali 2001

		Beverage	Processed Food	Nonfood
Urban	1st	0.96	0.61	22.53
	2nd	1.13	0.83	26.46
	3rd	1.13	0.76	28.03
	4th	1.01	1.46	30.81
	5th	0.96	1.13	40.89
	Urban total	1.02	1.07	33.33
Rural	1st	1.65	0.41	17.02
	2nd	1.58	0.44	18.88
	3rd	1.86	0.47	20.91
	4th	1.69	0.44	22.47
	5th	1.57	0.50	33.20
	Rural total	1.65	0.47	26.11
National	1st	1.58	0.45	17.90
	2nd	1.71	0.46	19.69
	3rd	1.62	0.48	21.65
	4th	1.43	0.59	26.13
	5th	1.17	0.97	36.74
	National total	1.38	0.73	29.24

Table 3.3.4 (a) Average budget share by commodity (%), Ghana, 1998/99

		Maize	Rice	Wheat	Other Cereals	Roots	Pulse and Groundnut	Banana	Fruit and Vegetable
Urban	1st	4.19	3.48	1.84	1.16	9.11	3.05	1.18	7.56
	2nd	2.39	3.80	2.46	0.71	8.65	2.36	1.33	6.79
	3rd	1.69	3.24	2.70	0.07	8.87	1.80	1.70	6.16
	4th	1.18	3.06	3.23	0.03	6.90	1.47	1.99	5.92
	5th	0.70	2.67	3.14	0.02	4.79	1.22	1.91	5.41
	Urban total	1.39	3.03	2.93	0.18	6.66	1.62	1.78	5.95
Rural	1st	6.90	2.88	0.84	6.17	9.47	6.13	0.19	8.32
	2nd	5.20	2.73	1.61	1.78	15.39	3.75	0.55	7.53
	3rd	3.67	2.87	1.91	0.65	16.50	3.42	0.97	6.77
	4th	3.10	2.66	1.86	0.37	17.38	2.74	0.94	6.10
	5th	2.31	2.77	2.13	0.36	13.07	2.51	1.52	5.80
	Rural total	3.30	2.76	1.90	0.93	14.61	3.06	1.12	6.37
National	1st	6.14	2.84	1.13	4.40	10.67	5.40	0.35	8.24
	2nd	4.32	2.97	1.79	1.02	14.72	3.24	0.89	7.15
	3rd	3.25	2.97	1.95	0.73	15.23	2.94	1.00	6.48
	4th	2.28	3.11	2.30	0.26	12.74	2.37	1.45	6.17
	5th	1.28	2.75	2.86	0.11	7.54	1.63	1.82	5.59
	National total	2.38	2.89	2.40	0.57	10.77	2.37	1.44	6.16

Table 3.3.4 (b) Average budget share by commodity (%), Ghana, 1998/99

		Vegoil and Sugar	Poultry	Milk	Other Livestock	Fish	Beverage	Other Food	Nonfood
Urban	1st	4.12	0.76	0.49	2.57	9.89	2.13	6.13	42.31
	2nd	4.56	0.98	0.90	2.82	8.78	2.54	5.64	45.28
	3rd	4.61	1.66	1.27	2.99	8.07	2.46	5.82	46.89
	4th	4.02	2.04	1.44	3.15	7.48	3.34	4.89	49.87
	5th	3.80	2.78	1.57	3.32	6.15	4.04	6.28	52.20
	Urban total	4.09	2.09	1.35	3.12	7.31	3.33	5.80	49.37
Rural	1st	3.33	1.24	0.23	1.80	8.72	4.93	3.38	35.46
	2nd	3.59	1.21	0.47	1.76	11.40	3.03	4.62	35.38
	3rd	3.28	1.21	0.49	1.93	12.02	2.70	4.32	37.31
	4th	3.00	1.41	0.55	2.08	11.73	2.69	4.22	39.16
	5th	3.07	1.76	0.97	3.70	10.03	3.78	3.96	42.26
	Rural total	3.16	1.50	0.70	2.73	10.79	3.35	4.11	39.61
National	1st	3.62	1.23	0.39	1.87	9.93	4.05	4.09	35.64
	2nd	3.53	1.10	0.36	1.97	11.41	2.82	5.02	37.69
	3rd	3.49	1.12	0.62	2.27	10.84	2.57	4.61	39.92
	4th	3.80	1.61	0.95	2.61	9.70	2.78	4.71	43.15
	5th	3.57	2.30	1.38	3.60	7.68	3.89	5.21	48.77
	National total	3.61	1.79	1.01	2.92	9.11	3.34	4.93	44.33

Table 3.3.5 (a) Average budget share by commodity (%), Senegal 2001

		Maize	Rice	Wheat	Other Cereals	Roots	Pulses and Groundnut	Banana	Fruit and Vegetable
Urban	1st	0.7	9.3	6.6	1.2	1.4	1.7	0.0	10.8
	2nd	0.6	7.6	6.7	1.1	1.3	1.4	0.0	10.1
	3rd	0.6	7.1	6.7	0.9	1.3	1.2	0.0	9.8
	4th	0.6	5.7	6.1	0.6	1.3	1.0	0.1	9.2
	5th	0.2	3.5	4.0	0.4	1.1	0.7	0.1	6.8
	Urban total	0.5	5.5	5.4	0.7	1.2	1.0	0.1	8.5
Rural	1st	1.0	13.6	2.2	10.7	0.6	4.3	0.0	10.4
	2nd	1.3	12.3	3.3	9.6	0.8	4.0	0.0	10.4
	3rd	1.3	11.4	3.3	9.0	1.0	3.8	0.0	10.4
	4th	0.9	12.9	3.7	7.8	0.9	3.3	0.0	9.9
	5th	1.1	11.9	3.4	6.1	1.0	2.7	0.0	8.7
	Rural total	1.1	12.2	3.3	7.8	0.9	3.3	0.0	9.6
National	1st	1.1	12.7	2.7	9.5	0.8	4.0	0.0	10.5
	2nd	1.2	11.6	3.9	7.8	1.0	3.5	0.0	10.5
	3rd	0.8	10.9	4.8	5.4	1.0	2.7	0.0	9.9
	4th	0.8	9.3	5.5	2.8	1.2	1.8	0.0	9.6
	5th	0.5	5.4	4.5	1.5	1.2	1.1	0.1	7.7
	National total	0.7	8.2	4.6	3.6	1.1	2.0	0.1	8.9

Table 3.3.5 (b) Average budget share by commodity (%), Senegal 2001

		Vegoil and Sugar	Poultry	Milk	Other Livestock	Fish	Beverage	Other Food	Nonfood
Urban	1st	10.4	0.7	2.4	4.0	7.7	2.5	0.9	39.8
	2nd	10.0	0.7	2.8	6.2	6.3	2.3	0.8	42.0
	3rd	9.0	0.6	3.1	8.8	5.9	2.3	1.0	41.6
	4th	7.9	0.9	3.6	9.8	5.8	2.2	0.9	44.3
	5th	5.4	1.3	3.3	11.3	4.3	1.9	2.2	53.3
	Urban total	7.4	1.0	3.2	9.4	5.4	2.1	1.5	47.1
Rural	1st	11.3	0.2	0.9	1.0	6.1	2.4	0.5	34.6
	2nd	11.8	0.6	1.1	1.7	5.5	2.9	0.6	34.1
	3rd	11.8	0.6	1.4	2.4	6.0	3.0	0.7	33.8
	4th	12.2	0.5	1.7	4.2	5.5	3.2	0.6	32.7
	5th	11.6	0.6	2.7	11.7	4.5	3.2	0.9	29.9
	Rural total	11.8	0.5	1.9	6.3	5.2	3.1	0.7	32.1
National	1st	11.6	0.4	1.0	1.4	6.3	2.5	0.6	35.0
	2nd	11.6	0.6	1.6	2.4	6.1	3.0	0.7	34.4
	3rd	11.4	0.6	2.1	4.8	6.0	2.9	0.7	36.0
	4th	10.2	0.7	2.8	8.2	5.6	2.6	0.8	37.9
	5th	7.1	1.1	3.3	11.6	4.6	2.2	1.7	46.6
	National total	9.2	0.8	2.7	8.1	5.3	2.5	1.2	41.0

Table 3.3.5 (a) Marginal budget share by commodity (%), Mali 2001

		Maize	Millet	Rice	Sorghum	Wheat	Other Cereal
Urban	1 st	0.38	4.08	12.91	0.93	4.14	-0.24
	2 nd	0.30	3.17	10.15	0.77	4.00	-0.10
	3 rd	0.26	2.62	8.48	0.68	3.93	-0.01
	4th	0.21	2.12	6.96	0.59	3.85	0.06
	5th	0.12	1.07	3.76	0.41	3.70	0.23
	Urban total	0.23	2.36	7.67	0.63	3.89	0.03
Rural	1st	0.93	11.09	21.50	2.90	1.80	0.21
	2nd	0.79	9.20	18.83	2.44	1.56	0.17
	3rd	0.68	7.76	16.80	2.08	1.37	0.14
	4th	0.57	6.44	14.93	1.75	1.21	0.12
	5th	0.35	3.60	10.93	1.05	0.85	0.06
	Rural total	0.60	6.84	15.50	1.85	1.26	0.13
National	1st	0.18	4.08	20.38	1.23	3.10	0.10
	2nd	0.15	3.24	17.08	1.01	3.02	0.11
	3rd	0.13	2.61	14.65	0.84	2.96	0.12
	4th	0.10	1.93	11.97	0.67	2.89	0.12
	5th	0.05	0.75	7.35	0.36	2.77	0.14
	National total	0.11	2.21	13.07	0.74	2.92	0.12

Table 3.3.5 (b) Marginal budget share by commodity (%), Mali 2001

		Roots	Pulses	Groundnut	Oilseed	Sugar	Banana
Urban	1st	2.65	1.12	3.28	-0.05	3.54	0.46
	2nd	2.65	0.87	2.56	-0.02	2.91	0.56
	3rd	2.65	0.71	2.12	0.00	2.53	0.62
	4th	2.65	0.57	1.73	0.01	2.19	0.68
	5th	2.65	0.28	0.90	0.05	1.46	0.80
	Urban total	2.65	0.64	1.91	0.01	2.35	0.65
Rural	1st	1.20	1.79	6.46	0.05	5.01	0.05
	2nd	1.04	1.54	5.48	0.04	4.31	0.05
	3rd	0.93	1.35	4.74	0.03	3.78	0.04
	4th	0.82	1.18	4.05	0.02	3.30	0.04
	5th	0.59	0.80	2.58	0.01	2.25	0.03
	Rural total	0.85	1.23	4.26	0.02	3.45	0.04
National	1st	1.99	1.36	5.72	-0.01	4.71	0.17
	2nd	1.97	1.13	4.70	-0.01	4.00	0.25
	3rd	1.96	0.96	3.95	0.00	3.47	0.31
	4th	1.95	0.78	3.12	0.01	2.89	0.37
	5th	1.94	0.45	1.70	0.02	1.89	0.48
	National total	1.96	0.85	3.46	0.00	3.13	0.34

Table 3.3.5 (c) Marginal budget share by commodity (%), Mali 2001

		Fruit	Vegetable	Vegoil	Beef	Mutton	Pork
Urban	1st	1.08	12.60	3.49	7.55	2.15	0.02
	2nd	0.93	10.89	2.96	6.56	2.01	0.03
	3rd	0.84	9.85	2.63	5.95	1.92	0.03
	4th	0.76	8.91	2.34	5.41	1.85	0.04
	5th	0.59	6.93	1.72	4.26	1.68	0.05
	Urban total	0.80	9.35	2.47	5.66	1.88	0.04
Rural	1st	0.89	9.46	3.39	10.48	3.87	0.02
	2nd	0.75	8.13	2.96	9.03	3.32	0.02
	3rd	0.65	7.12	2.63	7.92	2.91	0.02
	4th	0.56	6.19	2.33	6.90	2.53	0.01
	5th	0.36	4.20	1.68	4.72	1.71	0.01
	Rural total	0.59	6.47	2.42	7.21	2.65	0.01
National	1st	1.08	13.08	4.16	10.82	3.06	0.01
	2nd	0.95	11.51	3.61	9.32	2.70	0.01
	3rd	0.85	10.35	3.21	8.21	2.42	0.02
	4th	0.75	9.08	2.76	7.00	2.12	0.02
	5th	0.56	6.88	1.99	4.89	1.61	0.03
	National total	0.79	9.60	2.95	7.50	2.25	0.02

Table 3.3.5 (d) Marginal budget share by commodity (%), Mali 2001

		Poultry	Other Meat	Milk	Egg	Fish	Other Livestock
Urban	1st	0.57	0.52	2.42	0.04	7.48	0.33
	2nd	1.48	0.40	2.50	0.09	7.35	0.25
	3rd	2.04	0.32	2.56	0.12	7.26	0.20
	4th	2.54	0.25	2.61	0.15	7.19	0.16
	5th	3.60	0.11	2.71	0.21	7.03	0.07
	Urban total	2.31	0.29	2.58	0.14	7.22	0.18
Rural	1st	0.93	0.04	2.48	0.03	7.71	0.33
	2nd	0.78	0.04	2.14	0.02	6.73	0.28
	3rd	0.67	0.04	1.88	0.02	5.99	0.25
	4th	0.57	0.03	1.64	0.02	5.30	0.21
	5th	0.35	0.03	1.13	0.01	3.83	0.14
	Rural total	0.60	0.03	1.71	0.02	5.51	0.22
National	1st	0.34	0.35	2.25	0.02	8.10	0.35
	2nd	0.76	0.30	2.19	0.04	7.53	0.29
	3rd	1.07	0.26	2.14	0.06	7.12	0.24
	4th	1.42	0.22	2.09	0.08	6.66	0.20
	5th	2.01	0.15	1.99	0.12	5.88	0.12
	National total	1.28	0.24	2.11	0.08	6.85	0.22

Table 3.3.5 (e) Marginal budget share by commodity (%), Mali 2001

		Beverage	Processed Food	Nonfood
Urban	1st	1.29	1.01	26.26
	2nd	1.09	0.97	34.67
	3rd	0.96	0.94	39.78
	4th	0.85	0.91	44.42
	5th	0.61	0.86	54.14
	Urban total	0.90	0.92	42.25
Rural	1st	1.89	0.41	5.07
	2nd	1.63	0.35	18.34
	3rd	1.43	0.31	28.46
	4th	1.25	0.27	37.78
	5th	0.86	0.18	57.70
	Rural total	1.30	0.28	34.92
National	1st	1.47	0.78	11.12
	2nd	1.27	0.75	22.11
	3rd	1.12	0.72	30.24
	4th	0.95	0.69	39.17
	5th	0.66	0.65	54.57
	National total	1.02	0.71	35.49

Table 3.3.6 (a) Marginal budget share by commodity (%), Ghana, 1998/99

		Maize	Rice	Wheat	Other Cereals	Roots	Pulse and Groundnut	Banana	Fruit and Vegetable
Urban	1st	0.43	3.20	3.26	-0.03	4.80	1.06	2.10	5.69
	2nd	0.41	2.86	3.06	-0.03	4.37	0.99	1.94	5.31
	3rd	0.39	2.62	2.92	-0.04	4.07	0.94	1.83	5.05
	4th	0.38	2.39	2.78	-0.04	3.78	0.90	1.72	4.79
	5th	0.34	1.84	2.44	-0.04	3.07	0.79	1.46	4.17
	Urban total	0.38	2.44	2.81	-0.04	3.84	0.91	1.74	4.85
Rural	1st	1.60	2.72	1.51	-0.88	17.89	1.79	1.18	3.75
	2nd	1.53	2.61	1.67	-0.71	15.78	1.73	1.30	4.01
	3rd	1.49	2.54	1.77	-0.61	14.45	1.70	1.38	4.17
	4th	1.45	2.46	1.90	-0.47	12.79	1.65	1.47	4.37
	5th	1.34	2.28	2.17	-0.18	9.27	1.55	1.67	4.81
	Rural total	1.46	2.48	1.87	-0.51	13.25	1.66	1.45	4.32
National	1st	0.84	3.29	2.68	-0.63	9.55	1.26	1.90	5.10
	2nd	0.77	3.03	2.65	-0.52	8.27	1.19	1.84	4.99
	3rd	0.71	2.83	2.63	-0.43	7.28	1.13	1.80	4.90
	4th	0.65	2.60	2.60	-0.33	6.12	1.06	1.75	4.80
	5th	0.54	2.17	2.55	-0.14	3.96	0.93	1.66	4.60
	National total	0.67	2.68	2.61	-0.36	6.50	1.08	1.77	4.83

Table 3.3.6 (b) Marginal budget share by commodity (%), Ghana, 1998/99

		Vegoil and Sugar	Poultry	Milk	Other Livestock	Fish	Beverage	Other Food	Nonfood
Urban	1st	2.70	3.24	2.04	4.71	5.24	3.33	0.37	57.84
	2nd	2.80	2.96	1.91	4.16	4.93	3.40	1.53	59.40
	3rd	2.87	2.77	1.82	3.77	4.71	3.46	2.33	60.49
	4th	2.93	2.58	1.73	3.40	4.50	3.50	3.11	61.54
	5th	3.09	2.13	1.52	2.51	3.99	3.62	4.99	64.07
	Urban total	2.92	2.62	1.75	3.49	4.55	3.49	2.94	61.31
Rural	1st	2.17	1.35	0.71	5.55	10.67	2.27	2.34	45.38
	2nd	2.28	1.44	0.82	6.01	10.35	2.66	2.61	45.93
	3rd	2.34	1.49	0.89	6.29	10.14	2.90	2.77	46.27
	4th	2.42	1.56	0.97	6.65	9.88	3.21	2.98	46.70
	5th	2.59	1.71	1.16	7.40	9.34	3.85	3.43	47.62
	Rural total	2.40	1.54	0.95	6.55	9.95	3.12	2.92	46.58
National	1st	2.84	2.26	1.50	5.67	7.88	2.60	1.82	51.45
	2nd	2.90	2.22	1.50	5.33	7.31	2.83	2.44	53.26
	3rd	2.95	2.19	1.50	5.06	6.88	3.01	2.91	54.66
	4th	3.00	2.15	1.51	4.75	6.37	3.21	3.46	56.29
	5th	3.10	2.08	1.51	4.17	5.42	3.60	4.50	59.34
	National total	2.98	2.16	1.51	4.85	6.54	3.15	3.29	55.76

Table 3.3.7 (a) Marginal budget share by commodity (%), Senegal 2001

		Maize	Rice	Wheat	Other Cereals	Roots	Pulses and Groundnut	Banana	Fruit and Vegetable
Urban	1st	0.41	3.82	6.35	0.46	1.33	0.78	0.00	8.47
	2nd	0.32	3.19	5.18	0.36	1.22	0.64	0.06	7.40
	3rd	0.27	2.84	4.54	0.30	1.16	0.57	0.09	6.81
	4th	0.21	2.48	3.87	0.24	1.09	0.49	0.12	6.19
	5th	0.08	1.58	2.21	0.10	0.94	0.29	0.20	4.68
	Urban total	0.23	2.61	4.11	0.27	1.12	0.52	0.11	6.42
Rural	1st	-11.63	15.19	5.98	-10.87	1.37	2.91	0.08	11.24
	2nd	-6.95	13.72	5.05	-5.08	1.24	2.57	0.07	9.86
	3rd	-4.25	12.88	4.52	-1.74	1.17	2.37	0.06	9.07
	4th	-1.28	11.95	3.93	1.94	1.10	2.16	0.05	8.20
	5th	4.86	10.02	2.71	9.54	0.94	1.72	0.04	6.40
	Rural total	-2.69	12.39	4.21	0.20	1.13	2.26	0.06	8.61
National	1st	-0.30	7.50	8.45	-1.58	1.55	0.62	-0.05	10.19
	2nd	-0.04	6.30	7.18	-1.04	1.43	0.53	0.00	9.04
	3rd	0.15	5.46	6.29	-0.66	1.34	0.47	0.04	8.23
	4th	0.35	4.54	5.31	-0.24	1.24	0.40	0.08	7.34
	5th	0.76	2.65	3.30	0.61	1.04	0.26	0.16	5.52
	National total	0.26	4.96	5.76	-0.43	1.28	0.43	0.06	7.75

Table 3.3.7 (b) Marginal budget share by commodity (%), Senegal 2001

		Vegoiil and Sugar	Poultry	Milk	Other Livestock	Fish	Beverage	Other Food	Nonfood
Urban	1st	6.95	1.28	4.32	20.85	5.14	1.27	0.59	37.99
	2nd	5.78	1.39	4.00	18.30	4.57	1.46	1.01	45.12
	3rd	5.14	1.46	3.83	16.89	4.25	1.56	1.25	49.05
	4th	4.47	1.52	3.64	15.42	3.92	1.67	1.49	53.18
	5th	2.81	1.68	3.19	11.79	3.10	1.93	2.10	63.32
	Urban total	4.71	1.50	3.71	15.94	4.04	1.63	1.41	51.70
Rural	1st	15.39	0.60	4.30	15.45	6.54	4.02	1.07	38.39
	2nd	13.75	0.59	3.77	16.90	5.30	3.58	1.06	34.56
	3rd	12.81	0.59	3.46	17.73	4.59	3.33	1.05	32.36
	4th	11.77	0.58	3.13	18.65	3.80	3.05	1.04	29.93
	5th	9.62	0.58	2.43	20.55	2.17	2.48	1.02	24.91
	Rural total	12.26	0.59	3.28	18.22	4.17	3.18	1.04	31.08
National	1st	10.49	0.73	4.47	20.98	5.88	1.80	0.37	28.89
	2nd	8.93	0.91	4.19	19.15	5.28	1.82	0.72	35.59
	3rd	7.82	1.04	3.99	17.86	4.85	1.84	0.97	40.33
	4th	6.61	1.18	3.77	16.45	4.38	1.85	1.24	45.51
	5th	4.13	1.47	3.33	13.56	3.42	1.89	1.79	56.11
	National total	7.17	1.12	3.87	17.09	4.60	1.85	1.11	43.13

Table 3.4.1 (a) Per capita annual expenditure by income quintile (\$US), Mali 2001

	Lowest quintile	2nd	3rd	4th	Highest quintile	Total
Rural	51.1	81.1	111.9	153.8	309.0	141.7
Urban	117.8	187.3	255.5	337.4	627.3	305.4
National	56.7	94.6	136.1	205.9	429.5	184.6

Table 3.4.1 (b) Per capita annual expenditure by income quintile (\$US), Ghana 1998/99

	Lowest quintile	2nd	3rd	4th	Highest quintile	Total
Rural	88	157	224	320	638	286
Urban	174	298	444	622	1,140	536
National	102	187	273	419	862	369

Table 3.4.1 (c) Per capita annual expenditure by income quintile (\$US), Senegal 2001

	Lowest quintile	2nd	3rd	4th	Highest quintile	Total
Rural	63	95	121	160	288	145
Urban	117	186	246	331	672	311
National	72	114	159	230	484	212

Table 3.4.2 (a) Share of each quintile's total expenditure in the national total (%), Mali 2001

	Lowest quintile	2nd	3rd	4th	Highest quintile	Total
Rural	4.0	6.6	8.8	12.5	24.7	56.6
Urban	3.3	5.3	7.2	9.6	17.9	43.4
National	6.1	10.2	14.8	22.3	46.5	100.0

Table 3.4.2 (b) Share of each quintile's total expenditure in the national total (%), Ghana 1998/99

	Lowest quintile	2nd	3rd	4th	Highest quintile	Total
Rural	3.2	5.7	8.1	11.6	23.1	51.7
Urban	3.1	5.4	8.0	11.2	20.6	48.3
National	5.5	10.1	14.9	22.7	46.7	100.0

Table 3.4.2 (c) Share of each quintile's total expenditure in the national total (%), Senegal 2001

	Lowest quintile	2nd	3rd	4th	Highest quintile	Total
Rural	3.5	5.3	6.8	9.0	16.2	40.8
Urban	4.5	7.1	9.4	12.6	25.7	59.2
National	6.8	10.7	15.0	21.6	45.8	100.0

Table 3.4.9 (a) Total food consumption of three coarse grains in Mali, 2001

		maize	millet	sorghum
National total consumption (million \$US)		34.9	236.8	45.7
% of each quintile's total spending in national total				
urban	1st	2.2	2.9	2.1
	2nd	3.9	3.3	2.0
	3rd	4.3	3.8	2.0
	4th	2.9	4.1	4.1
	5th	4.5	5.4	5.4
	Urban total	17.8	19.6	15.6
rural	1st	11.9	10.7	8.1
	2nd	17.5	14.4	12.1
	3rd	19.2	16.8	12.7
	4th	15.7	17.4	23.4
	5th	17.9	21.1	28.1
	Rural total	82.2	80.4	84.4
national	1st	17.0	14.9	12.7
	2nd	25.7	20.5	15.4
	3rd	18.0	20.9	24.1
	4th	20.5	21.6	20.3
	5th	18.8	22.1	27.5
	National total	100.0	100.0	100.0

Table 3.4.9(b) Per person food consumption of three coarse grains in Mali, 2001 (\$US)

		maize	millet	sorghum
urban	1st	1.4	12.9	1.8
	2nd	2.5	14.7	1.7
	3rd	2.8	16.9	1.7
	4th	1.9	18.2	3.5
	5th	2.9	23.5	4.6
	Urban total	2.3	17.3	2.7
rural	1st	2.8	17.2	2.5
	2nd	3.9	22.0	3.6
	3rd	4.5	26.8	3.9
	4th	3.6	26.9	7.0
	5th	4.1	33.1	8.5
	Rural total	3.8	25.2	5.1
national	1st	2.9	17.2	2.8
	2nd	4.4	23.7	3.5
	3rd	3.0	24.1	5.4
	4th	3.5	25.0	4.5
	5th	3.2	25.6	6.1
	National total	3.4	23.1	4.5

Table 3.4.10(a) Total food consumption of selected staple crops in Ghana, 1998/99

		maize	Sorghum/millet	Root crops
National total consumption (million \$US)		160.4	38.3	726.9
% of each quintile's total spending in national total				
urban	1st	5.5	6.4	2.6
	2nd	5.4	6.7	4.3
	3rd	5.7	1.1	6.6
	4th	5.6	0.6	7.2
	5th	6.0	0.9	9.2
	Urban total	28.2	15.6	29.9
rural	1st	9.3	34.8	2.8
	2nd	12.4	17.9	8.1
	3rd	12.5	9.2	12.4
	4th	15.1	7.6	18.7
	5th	22.5	14.9	28.0
	Rural total	71.8	84.4	70.1
national	1st	14.3	43.0	5.5
	2nd	18.4	18.3	13.8
	3rd	20.3	19.0	21.0
	4th	21.8	10.5	26.9
	5th	25.1	9.2	32.7
	National total	100.0	100.0	100.0

Table 3.4.10(b) Per person food consumption of selected staple crops in Ghana, 1998/99 (\$US)

		maize	Sorghum/millet	Root crops
urban	1st	7.2	2.0	15.8
	2nd	7.1	2.1	25.9
	3rd	7.5	0.3	39.3
	4th	7.4	0.2	43.0
	5th	7.9	0.3	54.6
	Urban total	7.4	1.0	35.7
rural	1st	6.1	5.5	8.4
	2nd	8.2	2.8	24.2
	3rd	8.2	1.4	37.0
	4th	9.9	1.2	55.7
	5th	14.7	2.3	83.3
	Rural total	9.4	2.6	41.7
national	1st	6.3	4.5	10.9
	2nd	8.1	1.9	27.5
	3rd	8.9	2.0	41.8
	4th	9.6	1.1	53.6
	5th	11.0	1.0	64.7
	National total	8.8	2.1	39.7

Table 3.4.11(a) Total food consumption of selected staple crops in Senegal, 2001

		maize	Sorghum/millet	Root crops
National total consumption (million \$US)		12.6	62.7	19.4
% of each quintile's total spending in national total				
urban	1st	4.3	1.5	5.5
	2nd	6.1	2.2	8.3
	3rd	8.4	2.4	11.4
	4th	9.8	2.2	15.1
	5th	8.9	2.9	25.9
	Urban total	37.5	11.2	66.1
rural	1st	4.9	10.5	1.9
	2nd	9.3	14.2	3.9
	3rd	12.1	17.1	6.1
	4th	11.7	19.6	7.2
	5th	24.5	27.4	14.7
	Rural total	62.5	88.8	33.9
national	1st	10.0	18.1	4.7
	2nd	18.0	23.4	9.9
	3rd	17.1	22.7	14.2
	4th	22.6	17.1	22.9
	5th	32.2	18.8	48.2
	National total	100.0	100.0	100.0

Table 3.4.11(b) Per person food consumption of selected staple crops in Senegal, 2001 (\$US)

		maize	Sorghum/millet	Root crops
urban	1st	0.8	1.4	1.6
	2nd	1.2	2.0	2.4
	3rd	1.6	2.2	3.3
	4th	1.8	2.1	4.4
	5th	1.7	2.8	7.5
	Urban total	1.4	2.1	3.8
rural	1st	0.6	6.7	0.4
	2nd	1.2	9.1	0.8
	3rd	1.5	10.9	1.2
	4th	1.5	12.5	1.4
	5th	3.1	17.4	2.9
	Rural total	1.6	11.3	1.3
national	1st	0.8	6.9	0.6
	2nd	1.4	8.9	1.2
	3rd	1.3	8.6	1.7
	4th	1.7	6.5	2.7
	5th	2.4	7.1	5.7
	National total	1.5	7.6	2.4

Table 4.1.1 National and WCA region agricultural land uses by area and area shares

	Total Land Area	Agricultural Area	Arable & Perm.Crops	Non-Arable & Non-Perm	Irrigated Cropland	Permanent Pasture	Ag Land/ Total Land	Arable/ Total Ag.	Pasture/ Total Ag.	Irrigated/ Arable
	(1000 ha)				(percent)					
Sahelian West Africa	527,556	181,001	30,562	496,994	540	150,439	34.3	16.9	83.1	1.8
Burkina Faso	27,360	10,100	4,100	23,260	25	6,000	36.9	40.6	59.4	0.6
Chad	125,920	48,550	3,550	122,370	26	45,000	38.6	7.3	92.7	0.7
Gambia	1,000	749	290	710	2	459	74.9	38.7	61.3	0.7
Guinea-Bissau	2,812	1,628	548	2,264	25	1,080	57.9	33.7	66.3	4.6
Mali	122,019	34,674	4,674	117,345	236	30,000	28.4	13.5	86.5	5.0
Mauritania	102,522	39,750	500	102,022	49	39,250	38.8	1.3	98.7	9.8
Niger	126,670	37,500	14,500	112,170	73	23,000	29.6	38.7	61.3	0.5
Senegal	19,253	8,050	2,400	16,853	104	5,650	41.8	29.8	70.2	4.3
Coastal West Africa	203,498	128,770	51,770	151,728	496	77,000	63.3	40.2	59.8	1.0
Benin	11,062	3,195	2,645	8,417	12	550	28.9	82.8	17.2	0.5
Côte d'Ivoire	31,800	19,800	6,800	25,000	73	13,000	62.3	34.3	65.7	1.1
Ghana	22,754	14,450	6,100	16,654	31	8,350	63.5	42.2	57.8	0.5
Guinea	24,572	12,300	1,600	22,972	95	10,700	50.1	13.0	87.0	5.9
Liberia	9,632	2,595	595	9,037	3	2,000	26.9	22.9	77.1	0.5
Nigeria	91,077	70,050	30,850	60,227	245	39,200	76.9	44.0	56.0	0.8
Sierra Leone	7,162	2,750	550	6,612	30	2,200	38.4	20.0	80.0	5.5
Togo	5,439	3,630	2,630	2,809	7	1,000	66.7	72.5	27.5	0.3
Central Africa	395,460	52,809	18,019	377,441	47	34,790	13.4	34.1	65.9	0.3
Cameroon	46,540	9,160	7,160	39,380	26	2,000	19.7	78.2	21.8	0.4
Central Afr Rep	62,298	5,149	2,024	60,274	1	3,125	8.3	39.3	60.7	0.0
Congo, Dem Rep of	226,705	22,800	7,800	218,905	11	15,000	10.1	34.2	65.8	0.1
Congo, Rep of	34,150	10,540	540	33,610	2	10,000	30.9	5.1	94.9	0.4
Gabon	25,767	5,160	495	25,272	7	4,665	20.0	9.6	90.4	1.4
WCA	1,725,472	544,159	170,140	1,555,332	1,626	374,019	31.5	31.3	68.7	1.0

Source: Authors from FAOSTAT (accessed Oct. 2006)

Table 4.1.2 Agricultural land and rural population

	Agricultural Area	Arable & Perm.Crops	Rural Population	Total Population	Arable Land Per Capita (rural pop)	Arable Land Per Capita (total pop)
<i>Sahelian West Africa</i>	<i>181,001</i>	<i>30,562</i>	<i>40,704</i>	<i>57,129</i>	<i>0.8</i>	<i>0.5</i>
Burkina Faso	10,100	4,100	9,914	11,905	0.4	0.3
Chad	48,550	3,550	5,991	7,861	0.6	0.5
Gambia	749	290	968	1,312	0.3	0.2
Guinea-Bissau	1,628	548	936	1,367	0.6	0.4
Mali	34,674	4,674	8,310	11,904	0.6	0.4
Mauritania	39,750	500	1,117	2,645	0.4	0.2
Niger	37,500	14,500	8,531	10,742	1.7	1.3
Senegal	8,050	2,400	4,937	9,393	0.5	0.3
<i>Coastal West Africa</i>	<i>128,770</i>	<i>51,770</i>	<i>100,574</i>	<i>176,425</i>	<i>0.5</i>	<i>0.3</i>
Benin	3,195	2,645	3,592	6,222	0.7	0.4
Côte d'Ivoire	19,800	6,800	8,925	15,827	0.8	0.4
Ghana	14,450	6,100	10,987	19,593	0.6	0.3
Guinea	12,300	1,600	5,470	8,117	0.3	0.2
Liberia	2,595	595	1,622	2,943	0.4	0.2
Nigeria	70,050	30,850	64,143	114,746	0.5	0.3
Sierra Leone	2,750	550	2,796	4,415	0.2	0.1
Togo	3,630	2,630	3,039	4,562	0.9	0.6
<i>Central Africa</i>	<i>52,809</i>	<i>18,019</i>	<i>45,636</i>	<i>72,108</i>	<i>0.4</i>	<i>0.2</i>
Cameroon	9,160	7,160	7,713	15,117	0.9	0.5
Central Afr Rep	5,149	2,024	2,184	3,715	0.9	0.5
Congo, Dem Rep of	22,800	7,800	33,858	48,571	0.2	0.2
Congo, Rep of	10,540	540	1,647	3,447	0.3	0.2
Gabon	5,160	495	234	1,258	2.1	0.4
<i>WCA</i>	<i>544,159</i>	<i>170,140</i>	<i>333,124</i>	<i>554,195</i>	<i>0.5</i>	<i>0.3</i>

Source: Authors from FAOSTAT (accessed Oct. 2006)

Table 4.2 Crop, pasture and rural population shares by length of growing period

length of growing period (months)	crop area (1000s ha)	pasture (1000s ha)	rural pop (1000s)	crop area %	pasture %	rural pop %
0	466	42,540	2,732	1%	17%	1%
1	40	9,057	1,681	0%	4%	1%
2	1,543	23,697	10,432	4%	10%	5%
3	9,211	26,100	22,961	22%	11%	11%
4	5,408	27,519	21,301	13%	11%	11%
5	1,427	17,873	17,297	3%	7%	9%
6	4,296	28,896	17,692	10%	12%	9%
7	5,407	26,733	21,754	13%	11%	11%
8	3,965	15,745	25,085	9%	6%	13%
9	5,705	18,168	33,164	14%	7%	17%
10	2,454	8,390	18,536	6%	3%	9%
11	1,071	2,047	4,585	3%	1%	2%
12	968	1,249	2,839	2%	1%	1%
WCA total	41,962	248,014	200,058	100%	100%	100%

Source: Authors calculations

Table 4.3 Crop, pasture and rural population shares by access to towns of 100,000+

travel time to nearest town of 100,000+	crop area (1000s ha)	pasture (1000s ha)	rural pop (1000s)	crop area %	pasture %	rural pop %
< 2 hours	2,238	7,118	14,368	5%	3%	7%
2-4 hours	5,109	17,631	32,118	12%	7%	16%
4-6 hours	6,353	26,022	35,874	15%	11%	18%
6-8 hours	5,204	27,051	29,838	12%	11%	15%
> 8 hours	22,755	168,879	87,545	55%	68%	44%
WCA total	41,659	246,701	199,743	100%	100%	100%

Source: Authors calculations

Table 4.4.1 Land area shares by country and development domain

Domain	Benin	Burkina Faso	Cameroon	CAR	Chad	Congo	Gabon	Gambia	Ghana	Guinea	Guinea-Bissau	Ivory Coast	Liberia	Mali	Mauritania	Niger	Nigeria	Senegal	Sierra Leone	Togo	Zaire	WCA total
High / High / High	3%		1%						5%								7%		3%	1%	1%	1%
High / High / Med	3%		1%						4%								6%		1%	1%	1%	1%
High / High / Low													3%				2%					1%
High / Med / High	2%		3%			1%			5%	5%		10%					5%		20%	10%	1%	1%
High / Med / Med	4%		2%						17%	6%		21%	2%				9%		27%	19%	5%	3%
High / Med / Low	3%		1%			1%			13%	1%		5%	2%				3%			5%	4%	2%
High / Low / High	1%		8%	2%		4%	3%			10%		5%	18%				1%		8%			3%
High / Low / Med	2%		33%	14%		8%	10%		9%	20%		22%	35%				2%		42%	4%	13%	7%
High / Low / Low	1%		32%	46%		86%	87%		11%	1%		15%	37%				3%			4%	64%	22%
Med / High / High	1%	1%							2%								2%			3%		
Med / High / Med									1%								2%			3%		
Med / High / Low																						
Med / Med / High			1%						2%		18%	1%					2%	1%		3%		
Med / Med / Med	5%	3%	3%		1%				8%	1%	9%	1%		1%			11%	2%		14%		2%
Med / Med / Low	2%								1%	5%							5%			3%		1%
Med / Low / High	5%	1%							2%	13%	16%	1%		1%			1%			1%	1%	1%
Med / Low / Med	40%	11%	3%	4%	3%				14%	31%	50%	11%		3%			4%	7%		20%	2%	4%
Med / Low / Low	17%	2%	5%	30%	2%				5%	7%	5%	8%		2%			3%	5%		11%	6%	5%
Low / High / High		2%						4%									3%	4%				
Low / High / Med		1%															7%	1%				1%
Low / High / Low																						
Low / Med / High		9%	3%					20%						1%		2%	2%	7%				1%
Low / Med / Med		24%	4%		1%			45%						3%		6%	10%	8%				3%
Low / Med / Low		4%												1%		1%	1%					
Low / Low / High		3%			1%			6%						2%	1%	1%	2%	4%				1%
Low / Low / Med	3%	24%			7%			26%			1%			10%	5%	7%	5%	31%				5%
Low / Low / Low	7%	15%		5%	83%									77%	94%	82%	2%	29%				37%
country total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Source: Authors calculations

Table 4.4.2 Rural population shares by country and development domain

Domain	Benin	Burkina Faso	Cameroon	CAR	Chad	Congo	Gabon	The Gambia	Ghana	Guinea	Guinea-Bissau	Ivory Coast	Liberia	Mali	Mauritania	Niger	Nigeria	Senegal	Sierra Leone	Togo	Zaire	WCA total
High / High / High	18%		10%						17%	2%							17%		12%	1%	3%	9%
High / High / Med	17%		8%						9%			1%	16%				13%		3%	2%	7%	8%
High / High / Low			1%						1%				26%				3%				5%	2%
High / Med / High	4%		7%			9%			9%	9%		18%	1%				3%		26%	12%	5%	5%
High / Med / Med	6%		6%			7%			20%	15%		37%	4%				7%		35%	22%	15%	10%
High / Med / Low	4%		2%			7%			12%	1%		8%	3%				2%			4%	12%	4%
High / Low / High			5%	6%		18%	1%		3%	9%		4%	14%						4%		2%	2%
High / Low / Med	1%		16%	28%		13%	17%		3%	16%		15%	20%				1%		20%	2%	10%	5%
High / Low / Low	6%	1%	9%	49%		47%	81%		5%	1%		7%	17%				1%			2%	35%	9%
Med / High / High	8%	3%							5%	2%							3%	1%		8%		2%
Med / High / Med	3%	1%							3%								3%			8%		2%
Med / High / Low																						
Med / Med / High		1%	7%		1%				2%	1%	35%	1%		3%			1%	3%		3%		1%
Med / Med / Med	7%	4%	8%		11%				7%	1%	16%	1%		3%			8%	5%		17%		5%
Med / Med / Low	2%				3%				1%	6%							3%			4%		2%
Med / Low / High	3%	1%			1%				1%	14%	17%	1%		2%								1%
Med / Low / Med	17%	5%	1%	6%	11%				4%	18%	26%	5%		9%			1%	4%		9%	1%	3%
Med / Low / Low	6%	1%	1%	11%	6%				1%	4%	4%	3%		3%			1%	1%		6%	3%	2%
Low / High / High		7%						8%									1%	8%	23%			4%
Low / High / Med		3%															8%	13%	4%			5%
Low / High / Low																						
Low / Med / High		15%	8%					23%			1%			6%			13%	1%	17%			3%
Low / Med / Med		34%	11%		15%			51%						19%			46%	7%	15%			9%
Low / Med / Low		4%												8%	3%	4%	1%					1%
Low / Low / High		1%			2%			2%						5%	7%	3%		3%				1%
Low / Low / Med	1%	13%			15%			15%						19%	19%	13%	1%	16%				3%
Low / Low / Low	2%	6%			35%									24%	70%	13%		8%				4%
country total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Source: Authors calculations, based on population distribution data from CIESIN/IFPRI/WB/CIAT (2005)

Table 4.4.3 Cropland area shares by country and development domain

Domain	Benin	Burkina Faso	Cameroon	CAR	Chad	Congo	Gabon	The Gambia	Ghana	Guinea	Guinea-Bissau	Ivory Coast	Liberia	Mali	Mauritania	Niger	Nigeria	Senegal	Sierra Leone	Togo	Zaire	WCA total	
High / High / High	1%					66%			3%	5%		10%					4%	1%	12%	1%	7%		
High / High / Med	1%		1%															15%	11%	12%	1%		
High / High / Low									3%														
High / Med / High	7%		69%			17%			2%			1%	4%						2%		17%	14%	
High / Med / Med	2%		1%						42%	3%		6%					2%		32%	1%	16%	4%	
High / Med / Low										10%		7%	24%							15%	6%	2%	
High / Low / High	1%		9%				7%			4%		36%	12%				2%		2%		23%	6%	
High / Low / Med			5%			14%	62%		14%	12%		10%	12%				2%				11%	5%	
High / Low / Low	22%			3%		3%	27%			1%		23%	9%						1%	18%		3%	
Med / High / High									2%	18%											6%	1%	
Med / High / Med	1%								4%												3%		
Med / High / Low																	1%						
Med / Med / High	5%				1%				1%	3%	12%							2%			1%	1%	
Med / Med / Med	1%				12%				3%	5%	1%	1%					1%	2%			1%	1%	
Med / Med / Low	5%		11%		2%				2%	1%											14%	2%	
Med / Low / High					7%					9%	6%										2%	1%	
Med / Low / Med	12%	1%		4%	5%					23%	9%							1%			5%	11%	4%
Med / Low / Low	37%	8%	78%							4%	36%	5%	37%	2%							10%	1%	4%
Low / High / High		6%						11%	5%											16%	18%	4%	
Low / High / Med		1%																	3%	27%	3%	4%	
Low / High / Low																							
Low / Med / High		23%	2%					45%	6%		22%			4%			11%	4%	21%			5%	
Low / Med / Med		33%	1%		1%			19%						14%			41%	21%	15%			9%	
Low / Med / Low		3%			15%					2%				5%							2%	2%	
Low / Low / High		2%			3%			7%			13%			5%	2%		9%	5%	5%	48%		3%	
Low / Low / Med	2%	18%			12%			18%			1%		2%	36%	77%	25%	9%	20%				8%	
Low / Low / Low	2%	4%		8%	43%		4%							33%	21%	10%	1%	13%				7%	
country total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

Source: Authors calculations, based on crop and pasture distribution data from SAGE (2002)

Table 4.4.4 Pasture area shares by country and development domain

Domain	Benin	Burkina Faso	Cameroon	CAR	Chad	Congo	Gabon	The Gambia	Ghana	Guinea	Guinea-Bissau	Ivory Coast	Liberia	Mali	Mauritania	Niger	Nigeria	Senegal	Sierra Leone	Togo	Zaire	WCA total
High / High / High			1%			63%			14%	6%		4%					2%				4%	3%
High / High / Med			1%														5%		13%	1%	26%	2%
High / High / Low									1%								1%					
High / Med / High	10%		57%			14%			3%			1%	28%				2%		4%		5%	6%
High / Med / Med	1%		1%						15%	3%		6%					6%		57%	3%	32%	4%
High / Med / Low	1%				2%					11%		14%	13%				2%			4%	5%	2%
High / Low / High	1%		6%			1%	5%			15%		13%	27%				5%		3%		12%	4%
High / Low / Med			5%	6%		9%	79%		18%	2%		12%	3%				4%		3%	1%	8%	3%
High / Low / Low	4%			3%		10%	14%		7%			26%	3%				1%				11%	2%
Med / High / High		1%							1%	18%											3%	1%
Med / High / Med		1%								15%											14%	1%
Med / High / Low																	1%					
Med / Med / High	34%	1%							4%		3%	1%					1%				2%	2%
Med / Med / Med	2%		5%		7%				6%	9%	2%	3%		1%			3%	2%			6%	2%
Med / Med / Low	13%	1%	11%		1%				5%	7%											26%	3%
Med / Low / High	1%		1%		1%					8%	3%	1%									2%	1%
Med / Low / Med	3%	6%	1%	1%	4%					15%	7%	2%	22%	4%			1%	3%		10%	5%	4%
Med / Low / Low	21%	5%	1%	81%						3%	9%	17%		2%				2%		13%		4%
Low / High / High		2%						4%	8%											1%		1%
Low / High / Med		1%																	1%	15%		2%
Low / High / Low																						
Low / Med / High		10%	3%					20%	2%		59%			1%		4%	4%	9%				3%
Low / Med / Med		26%	4%					43%						5%		14%	23%	9%				6%
Low / Med / Low		4%			2%									3%		1%	2%					1%
Low / Low / High		3%			2%			8%			16%			3%	1%	3%	4%	4%	20%			2%
Low / Low / Med	2%	25%			14%			25%					2%	15%	15%	16%	7%	33%				9%
Low / Low / Low	4%	14%	2%	9%	67%		2%							66%	84%	61%	3%	33%				29%
country total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Source: Authors calculations, based on crop and pasture distribution data from SAGE (2002)

Table 4.4.5 Domain shares by CORAF eco-zone

Domain	<i>share of zone</i>			total
	Central African	Sahelian	West Coastal	
high potential, high access, high dens			4%	1%
high potential, high access, med dens	1%		3%	1%
high potential, high access, low dens			1%	
high potential, med access, high dens	1%		6%	1%
high potential, med access, med dens	3%		12%	3%
high potential, med access, low dens	3%		4%	2%
high potential, low access, high dens	3%		4%	2%
high potential, low access, med dens	15%		11%	7%
high potential, low access, low dens	61%		7%	22%
med potential, high access, high dens			1%	
med potential, high access, med dens			1%	
med potential, high access, low dens				
med potential, med access, high dens			1%	
med potential, med access, med dens		1%	7%	2%
med potential, med access, low dens			3%	1%
med potential, low access, high den			3%	1%
med potential, low access, med dens	2%	3%	12%	4%
med potential, low access, low dens	9%	1%	5%	5%
low potential, high access, high dens			2%	
low potential, high access, med dens			3%	1%
low potential, high access, low dens				
low potential, med access, high dens		1%	1%	1%
low potential, med access, med dens		4%	5%	3%
low potential, med access, low dens		1%	1%	
low potential, low access, high dens		2%	1%	1%
low potential, low access, med dens		9%	2%	5%
low potential, low access, low dens	1%	77%	1%	37%
Grand Total	100%	100%	100%	100%

Source: authors' calculations

Table 5.1.1 (a) Production growth rate employed in the base-run – Sahelian region
(Based on the trends of 1998-04)

Cereals	Burkina			Guinea				
	Faso	Chad	Gambia	Bissau	Mali	Mauritania	Niger	Senegal
	2.82	2.99	2.87	2.39	3.43	2.74	2.68	2.73
Root Crops	Burkina			Guinea				
	Faso	Chad	Gambia	Bissau	Mali	Mauritania	Niger	Senegal
	3.38	3.01	2.52	2.67	3.27	2.38	2.52	3.01
Pulses & oilseeds	Burkina			Guinea				
	Faso	Chad	Gambia	Bissau	Mali	Mauritania	Niger	Senegal
	2.86	3.17	2.59	2.60	3.79	2.88	2.53	2.52
Cotton & cocoa	Burkina			Guinea				
	Faso	Chad	Gambia	Bissau	Mali	Mauritania	Niger	Senegal
	4.62	2.52	3.50	3.91	4.57	0.00	2.52	4.16
Other high value	Burkina			Guinea				
	Faso	Chad	Gambia	Bissau	Mali	Mauritania	Niger	Senegal
	3.49	2.57	3.19	2.74	3.61	2.19	2.64	5.91
Livestock	Burkina			Guinea				
	Faso	Chad	Gambia	Bissau	Mali	Mauritania	Niger	Senegal
	3.29	2.89	7.79	2.39	3.81	2.04	3.67	2.01

Table 5.1.1 (b) Production growth rate employed in the base-run – Coastal region
(Based on the trends of 1998-04)

Cereals	Guinea	Sierra Leone	Cote d'Ivoire	Ghana	Togo	Benin	Nigeria
	2.20	1.72	1.57	2.85	2.89	3.15	2.78
Roots	Guinea	Sierra Leone	Cote d'Ivoire	Ghana	Togo	Benin	Nigeria
	3.44	3.61	2.55	3.66	2.81	3.02	3.50
Pulses & oilseeds	Guinea	Sierra Leone	Cote d'Ivoire	Ghana	Togo	Benin	Nigeria
	3.83	3.36	3.27	3.06	4.10	3.04	2.75
Cotton & cocoa	Guinea	Sierra Leone	Cote d'Ivoire	Ghana	Togo	Benin	Nigeria
	2.63	2.51	2.67	3.39	3.09	4.33	3.35
Other high value	Guinea	Sierra Leone	Cote d'Ivoire	Ghana	Togo	Benin	Nigeria
	2.32	5.68	3.12	4.31	2.88	4.94	2.62
Livestock	Guinea	Sierra Leone	Cote d'Ivoire	Ghana	Togo	Benin	Nigeria
	4.52	2.07	2.18	3.58	2.50	2.73	3.09

Table 5.1.1 (c) Production growth rate employed in the base-run – Central region
(Based on the trends of 1998-04)

Cereals	Cameroon	CAR	Gabon	CongoR	DRC
	2.94	3.56	2.57	2.26	2.25
Roots	Cameroon	CAR	Gabon	CongoR	DRC
	3.18	2.51	2.67	2.55	2.64
Pulses & oilseeds	Cameroon	CAR	Gabon	CongoR	DRC
	2.75	5.40	2.52	2.82	2.79
Cotton/cocoa	Cameroon	CAR	Gabon	CongoR	DRC
	3.31	2.52	3.71	2.52	2.60
Other high value	Cameroon	CAR	Gabon	CongoR	DRC
	3.33	2.52	2.52	2.52	2.83
Livestock	Cameroon	CAR	Gabon	CongoR	DRC
	2.81	2.01	2.29	2.00	2.00

Table 5.1.2 (a) Targeted crop yield level by 2015 in yield-loss recovering scenario, irrigated (ton/ha)

	Maize	Rice	Wheat	Sorghum	Millet
Burkina Faso		3.99			
Chad		3.32	1.81		
Gambia		3.79			
Guinea Bissau		3.28			
Mali		3.27	3.18	2.30	2.24
Mauritania		5.62		1.14	
Niger	2.26	7.05	2.09		
Senegal		4.14			
Guinea		2.92			
Sierra Leone		7.07			
Cote d'Ivoire		4.19			
Ghana		4.28			
Togo		3.20			
Benin		3.48			
Nigeria		4.14	1.41		
Cameroon		5.02			
CAR					
Gabon					
CongoR					
DRC		3.20			

Table 5.1.2 (b) Targeted crop yield level by 2015 in yield-loss recovering scenario, irrigated

	Potato	Sweet potato	Groundnut	Vegetable Do.	Vegetable Ex.
Burkina Faso				10.30	26.06
Chad				12.68	32.19
Gambia					16.50
Guinea Bissau					15.90
Mali			1.00	8.04	20.45
Mauritania					10.27
Niger	17.77			15.33	
Senegal				17.89	55.36
Guinea					9.37
Sierra Leone					20.42
Cote d'Ivoire				7.17	25.82
Ghana					14.31
Togo					41.30
Benin				5.00	11.84
Nigeria		7.93	2.61	7.30	20.80
Cameroon					13.94
CAR					25.12
Gabon			2.17		
CongoR				8.04	
DRC					33.17

Table 5.1.2 (c) Targeted crop yield level by 2015 in yield-loss recovering scenario, irrigated

	Fruit Do.	Fruit Ex.	Sugar Raw	Tree nuts	Rubber	Tea
Burkina Faso	6.47	49.13	122.85	0.51		
Chad	5.01		121.95			
Gambia		13.49				
Guinea Bissau		15.58				
Mali	15.16	52.89	88.58	0.81		0.71
Mauritania		9.36				
Niger	6.10		77.35			
Senegal	8.60	17.58	133.32	0.46		
Guinea		8.44				
Sierra Leone		10.56				
Cote d'Ivoire	8.42	52.50	38.22	0.87	2.22	
Ghana		15.56				
Togo		14.25				
Benin	8.49	17.37	49.34	0.27		
Nigeria	6.84	16.70	26.16	0.79	0.45	
Cameroon		22.31				
CAR						
Gabon						
CongoR	8.03		68.48			
DRC						

Table 5.1.2 (d) Targeted crop yield level by 2015 in yield-loss recovering scenario, rainfed

	Maize	Rice	Wheat	Sorghum	Barley	Millet
Burkina Faso	1.81	1.10		0.99		0.80
Chad	0.80	1.04		0.75		0.55
Gambia	1.58	2.02		1.29		1.19
Guinea Bissau	1.47	1.18		0.92		0.89
Mali	1.20	0.97		0.77		0.69
Mauritania	0.94		1.02	0.40	2.04	0.25
Niger	0.77	2.95	0.89	0.25		0.45
Senegal	1.70	1.19		0.82		0.64
Guinea	1.24	1.53		0.85		0.95
Sierra Leone	1.05	1.28		1.18		1.18
Cote d'Ivoire	1.02	2.33		0.56		0.86
Ghana	1.69	2.17		1.11		0.87
Togo	1.33	2.10		0.89		0.59
Benin	1.24	1.97		1.06		0.91
Nigeria	1.21	0.69		1.25		1.15
Cameroon	1.50	1.73	1.42	0.96		0.78
CAR	1.16	2.12		0.92		1.03
Gabon	1.67	2.23				
CongoR	0.91	0.80				
DRC	0.89	0.81	1.05	0.75	0.69	0.75

Table 5.1.2 (e) Targeted crop yield level by 2015 in yield-loss recovering scenario, rainfed

	Cereal Other	Cassava	Potato	Sweet potato	yams	Root Other
Burkina Faso	0.83	6.00	4.00	8.19	11.88	
Chad	0.97	11.66	5.63	2.56	9.58	3.04
Gambia		6.00				
Guinea Bissau	0.50	15.30				6.73
Mali	0.62	11.02		13.91	12.65	
Mauritania			5.10	1.00	6.25	
Niger	0.85	21.03	9.51	15.43		
Senegal	0.50	5.59	18.75	5.04		
Guinea	0.99	5.57		3.04	11.68	6.24
Sierra Leone	1.22	5.75		2.49		2.55
Cote d'Ivoire	0.59	5.53		2.15	10.49	1.41
Ghana	0.68	10.38		1.38	13.61	7.13
Togo	1.00	6.48		1.11	11.38	1.39
Benin	0.57	9.52	2.82	5.09	12.62	3.53
Nigeria	0.55	12.42	4.50	4.15	10.72	5.34
Cameroon		10.01	4.06	4.97	8.25	6.64
CAR		3.32	2.56		7.11	2.82
Gabon		5.75		1.75	7.97	6.67
CongoR		10.29	9.16	6.84	6.53	8.02
DRC		9.13	4.62	5.01	5.23	5.31

Table 5.1.2 (f) Targeted crop yield level by 2015 in yield-loss recovering scenario, rainfed

	Beans	Pulse Other	Groundnut	Soybean	Oilcrop Other	Vegetable Do.
Burkina Faso		0.53	0.97	1.27	0.51	8.43
Chad	0.60	0.79	1.04		0.38	10.24
Gambia		0.26	1.16		0.31	5.39
Guinea Bissau		0.67	1.36		5.30	5.39
Mali		0.35	0.84		0.35	6.60
Mauritania	0.98	0.38	0.87			1.33
Niger	0.56	0.14	0.68		0.39	12.68
Senegal		0.22	0.91		0.80	14.90
Guinea		0.91	1.44		2.98	3.11
Sierra Leone		0.76	0.88		0.83	6.55
Cote d'Ivoire		0.72	1.18	1.38	3.34	5.89
Ghana		0.97	1.19		2.98	4.80
Togo	0.32	0.70	0.62		1.75	5.11
Benin	0.82	0.87	0.96	0.92	1.12	4.13
Nigeria		0.44	0.95	0.83	1.19	6.01
Cameroon	1.00	2.08	0.78	0.68	0.32	3.99
CAR		0.93	1.27		1.35	8.08
Gabon		0.73	1.05	1.21		6.65
CongoR	0.91	0.78	0.69		2.48	6.59
DRC	0.62	0.62	0.90	0.56	0.45	6.20

Table 5.1.2 (g) Targeted crop yield level by 2015 in yield-loss recovering scenario, rainfed

	Vegetable Ex.	Fruit Do.	Fruit Ex.	Banana	Sugar Raw	Cocoa
Burkina Faso		5.30				
Chad		4.05				
Gambia	14.07	4.75	11.50			
Guinea Bissau		6.59		3.43	28.99	
Mali		12.45				
Mauritania	8.25	3.22	7.52			
Niger	43.12	5.04	18.69		37.74	
Senegal		7.16		19.20		
Guinea		3.57		5.23	54.35	0.41
Sierra Leone		4.44		6.26	77.45	0.40
Cote d'Ivoire		6.92		4.47		0.61
Ghana		6.14		8.94	26.75	0.54
Togo	34.40	5.37	11.87	7.87		0.33
Benin		7.01		5.77		0.33
Nigeria		5.63		5.97		0.18
Cameroon		5.99		7.20	10.37	0.46
CAR		4.79		4.66	7.21	0.35
Gabon		1.64		6.06	59.13	0.07
CongoR	58.03	6.58		8.61	37.19	0.31
DRC		14.98		4.80	43.48	0.32

Table 5.1.2 (h) Targeted crop yield level by 2015 in yield-loss recovering scenario, rainfed

	Coffee	Cotton Lint	Tree nuts	Rubber	Oil palm	Tea
Burkina Faso		0.41	0.42			
Chad		0.23				
Gambia		0.13			0.59	
Guinea Bissau		0.47	0.40		0.89	
Mali		0.50	0.67			
Mauritania						
Niger		0.37				
Senegal		0.56	0.39		0.86	
Guinea	0.43	0.55	0.72	0.56	0.18	
Sierra Leone	1.17				1.10	
Cote d'Ivoire	0.37	0.58	0.73		0.34	
Ghana	0.18	0.31	0.43	0.71	0.33	
Togo	0.28	0.40	0.99		0.80	
Benin	0.20	0.46	0.23		0.87	
Nigeria	0.94	0.27	0.66		0.19	
Cameroon	0.29	0.56		1.25	0.82	0.85
CAR	0.50	0.28		0.83	0.56	
Gabon	0.32			1.01		
CongoR	0.31			0.81	0.42	
DRC	0.39	0.25		0.23	0.32	0.70

Table 5.1.3 (a) Targeted annual growth rate (%) in crop yield in yield-loss recovering scenario, (2006 – 2015 average, irrigated)

	Maize	Rice	Wheat	Sorghum	Millet	Cereal Other
Burkina Faso		2.31				
Chad		2.31	1.29			
Gambia		2.31				
Guinea Bissau		2.31				
Mali		2.31	1.29	2.78	2.78	2.78
Mauritania		2.31		2.78		
Niger	2.62	2.31	1.29			
Senegal		2.31				
Guinea		2.31				
Sierra Leone		2.31				
Cote d'Ivoire		2.31				
Ghana		2.31				
Togo		2.31				
Benin		2.31				
Nigeria		2.31	1.29			
Cameroon		2.31				
CAR						
Gabon						
CongoR						
DRC		2.31				

Table 5.1.3 (b) Targeted annual growth rate (%) in crop yield in yield-loss recovering scenario, (2006 – 2015 average, irrigated)

	Potato	Sweet potato	Groundnut	Vegetable Do.	Vegetable Ex.
Burkina Faso				2.23	2.23
Chad				2.23	2.23
Gambia					2.23
Guinea Bissau					2.23
Mali			3.11	2.23	2.23
Mauritania					2.23
Niger				2.23	
Senegal				2.23	2.23
Guinea					2.23
Sierra Leone					2.23
Cote d'Ivoire				2.23	2.23
Ghana					2.23
Togo					2.23
Benin				2.23	2.23
Nigeria		1.78	3.11	2.23	2.23
Cameroon					2.23
CAR					2.23
Gabon			3.11		
CongoR				2.23	
DRC					2.23

Table 5.1.3 (c) Targeted annual growth rate (%) in crop yield in yield-loss recovering scenario, (2006 – 2015 average, irrigated)

	Fruit Do.	Fruit Ex.	Sugar Raw	Tree nuts	Rubber	Tea
Burkina Faso	2.23	2.23	2.08	2.08		
Chad	2.23		2.08			
Gambia		2.23				
Guinea Bissau		2.23				
Mali	2.23	2.23	2.08	2.08		2.08
Mauritania		2.23				
Niger	2.23		2.08			
Senegal	2.23	2.23	2.08	2.08		
Guinea		2.23				
Sierra Leone		2.23				
Cote d'Ivoire	2.23	2.23	2.08	2.08	2.08	
Ghana		2.23				
Togo		2.23				
Benin	2.23	2.23	2.08	2.08		
Nigeria	2.23	2.23	2.08	2.08	2.08	
Cameroon		2.23				
CAR						
Gabon						
CongoR	2.23		2.08			
DRC						

Table 5.1.3 (d) Targeted annual growth rate (%) in crop yield in yield-loss recovering scenario, (2006 – 2015 average, rainfed)

	Maize	Rice	Wheat	Sorghum	Barley	Millet
Burkina Faso	1.22	0.74		0.62		0.60
Chad	0.98	0.95		1.24		1.08
Gambia	1.22	0.98		1.29		1.29
Guinea Bissau	1.22	1.00		1.29		1.29
Mali	0.98	0.40		0.90		0.97
Mauritania	0.80		0.16	0.40	0.21	0.39
Niger	0.25	0.61	0.24	0.40		0.39
Senegal	1.21	0.65		0.46		0.46
Guinea	1.22	0.98		1.29		1.29
Sierra Leone	1.22	1.06		1.29		1.29
Cote d'Ivoire	1.22	1.04		1.29		1.29
Ghana	1.22	1.01		0.95		0.95
Togo	1.22	1.06		1.29		1.29
Benin	1.22	0.60		1.29		1.29
Nigeria	1.21	0.78		1.28		1.28
Cameroon	1.22	0.60	0.62	1.21		1.29
CAR	1.22	1.08		1.29		1.29
Gabon	1.22	1.08				
CongoR	1.22	1.08				
DRC	1.22	1.07	0.04	1.29	0.78	1.29

Table 5.1.3 (e) Targeted annual growth rate (%) in crop yield in yield-loss recovering scenario, (2006 – 2015 average, rainfed)

	Cereal	Other	Cassava	Potato	Sweet potato	yams	Root Other
Burkina Faso	0.13						
Chad	0.10						
Gambia							
Guinea Bissau	0.85						0.85
Mali	0.17						
Mauritania							
Niger	0.15						
Senegal	0.18						
Guinea	0.43		0.85			0.20	
Sierra Leone	1.03		0.85				
Cote d'Ivoire	0.52		0.85			0.85	
Ghana	0.14		0.85			0.85	0.85
Togo	0.50		0.85			0.85	
Benin	0.04		0.85			0.85	
Nigeria	0.39		0.84			0.84	
Cameroon			1.44				1.44
CAR			1.22			1.22	
Gabon			1.24			1.24	1.24
CongoR			1.25				
DRC			1.18				

Table 5.1.3 (f) Targeted annual growth rate (%) in crop yield in yield-loss recovering scenario, (2006 – 2015 average, rainfed)

	Beans	Pulse Other	Groundnut	Soybean	Oilcrop Other	Vegetable Do.
Burkina Faso		0.32	1.43	1.43	0.18	0.20
Chad	1.38	0.12	1.25		0.10	0.07
Gambia		0.48	1.43		0.31	0.61
Guinea Bissau		0.73	1.43		0.46	0.56
Mali		0.18	1.07		0.23	0.23
Mauritania	0.30	0.30	0.80			0.02
Niger	1.23	0.32	1.22		0.39	0.31
Senegal		1.09	1.42		0.30	0.38
Guinea		0.62	1.43		0.39	0.33
Sierra Leone		1.09	1.43		0.71	0.75
Cote d'Ivoire		0.57	1.43	1.43	0.41	0.23
Ghana		0.19	1.43		0.39	0.53
Togo	1.43	0.35	1.43		0.22	0.38
Benin	1.43	0.56	1.43	1.43	0.37	0.30
Nigeria		0.41	1.27	1.41	0.28	0.26
Cameroon	1.43	0.87	1.43	1.43	0.29	0.39
CAR		0.05	1.43		0.03	0.02
Gabon		0.97	1.21	1.43		0.06
CongoR	1.43	0.20	1.43		0.04	0.22
DRC	1.43	0.17	1.43	1.43	0.03	0.06

Table 5.1.3 (g) Targeted annual growth rate (%) in crop yield in yield-loss recovering scenario, (2006 – 2015 average, rainfed)

	Vegetable Ex.	Fruit Do.	Fruit Ex.	Banana	Sugar Raw	Cocoa
Burkina Faso		0.20				
Chad		0.07				
Gambia	0.61	0.61	0.61			
Guinea Bissau		0.56		1.05	0.53	
Mali		0.23				
Mauritania	0.02	0.02	0.02			
Niger	0.24	0.31	0.24		0.23	
Senegal		0.38		1.05		
Guinea		0.33		1.05	0.31	0.34
Sierra Leone		0.75		1.05	0.71	0.86
Cote d'Ivoire		0.23		1.05		0.35
Ghana		0.53		1.05	0.50	0.36
Togo	0.38	0.38	0.38	1.05		0.69
Benin		0.30		1.05		0.00
Nigeria		0.26		1.03		0.41
Cameroon		0.39		1.05	0.37	0.24
CAR		0.02		1.05	0.02	0.00
Gabon		0.06		1.05	0.05	0.04
CongoR	0.15	0.22		1.05	0.14	0.30
DRC		0.06		1.05	0.05	0.67

Table 5.1.3 (h) Targeted annual growth rate (%) in crop yield in yield-loss recovering scenario, (2006 – 2015 average, rainfed)

	Coffee	Cotton Lint	Tree nuts	Rubber	Oil palm	Tea
Burkina Faso		0.98	0.19			
Chad		0.94				
Gambia		0.98			0.34	
Guinea Bissau		0.98	0.53		0.50	
Mali		0.80	0.22			
Mauritania						
Niger		0.84				
Senegal		0.97	0.35		0.31	
Guinea	0.42	0.98	0.31	0.31	0.42	
Sierra Leone	0.79				0.78	
Cote d'Ivoire	0.24	0.98	0.22		0.44	
Ghana	0.50	0.98	0.50	0.50	0.41	
Togo	0.11	0.35	0.35		0.25	
Benin	0.17	0.98	0.28		0.40	
Nigeria	0.27	0.98	0.24		0.30	
Cameroon	0.45	0.96		0.37	0.34	0.37
CAR	0.02	0.98		0.02	0.04	
Gabon	0.03			0.05		
CongoR	0.12			0.14	0.07	
DRC	0.09	0.98		0.05	0.03	0.05

Table 5.1.4 (a) Potential yield level (ton/ha) by 2015 in catch up to potential yield scenario, (irrigated)

	Maize	Rice	Wheat	Sorghum	Millet	Cereal Other
Burkina Faso		6.05				
Chad		7.37	1.43			
Gambia		7.39				
Guinea						
Bissau		6.26				
Mali		4.30	2.36	5.39	5.71	1.51
Mauritania		5.52		5.15		
Niger	3.08	6.78	2.96			
Senegal		7.26				
Guinea		6.05				
Sierra Leone		4.47				
Cote d'Ivoire		4.95				
Ghana		8.71				
Togo		5.23				
Benin		6.12				
Nigeria		5.22	2.06			
Cameroon		6.07				
CAR						
Gabon						
CongoR						
DRC		5.00				

Table 5.1.4 (b) Potential yield level (ton/ha) by 2015 catch up to potential yield scenario, (irrigated)

	Potato	Sweet potato	Groundnut	Vegetable Do.	Vegetable Ex.
Burkina Faso				8.26	20.90
Chad				10.17	25.82
Gambia					13.24
Guinea					12.75
Bissau					12.75
Mali			2.22	6.45	16.40
Mauritania					8.24
Niger	17.77			15.37	
Senegal				14.35	44.40
Guinea					7.51
Sierra Leone					16.38
Cote d'Ivoire				5.75	20.71
Ghana					11.47
Togo					33.12
Benin				4.01	9.49
Nigeria		7.93	2.57	5.86	16.68
Cameroon					11.18
CAR					20.15
Gabon			2.48		
CongoR				6.45	
DRC					26.60

Table 5.1.4 (c) Potential yield level (ton/ha) by 2015 in catch up to potential yield scenario, (irrigated)

	Fruit Do.	Fruit Ex.	Sugar Raw	Tree nuts	Rubber	Tea
Burkina Faso	5.19	39.41	100.00	0.41		
Chad	4.02		99.27			
Gambia		10.82				
Guinea						
Bissau		12.49				
Mali	12.16	42.42	72.11	0.66		0.58
Mauritania		7.50				
Niger	6.11		62.97			
Senegal	6.89	14.10	108.52	0.38		
Guinea		6.77				
Sierra Leone		8.47				
Cote d'Ivoire	6.76	42.10	31.11	0.71	1.81	
Ghana		12.48				
Togo		11.43				
Benin	6.81	13.93	40.16	0.22		
Nigeria	5.49	13.40	21.29	0.64	0.36	
Cameroon		17.90				
CAR						
Gabon						
CongoR	6.44		55.74			
DRC						

Table 5.1.4 (d) Potential yield level (ton/ha) by 2015 in catch up to potential yield scenario, (rainfed)

	Maize	Rice	Wheat	Sorghum	Barley	Millet
Burkina Faso	4.19	2.05		3.18		3.11
Chad	4.13	2.65		3.53		3.07
Gambia	5.15	2.64		3.57		3.57
Guinea						
Bissau	3.34	2.15		2.54		2.57
Mali	3.24	2.01		2.24		2.40
Mauritania	2.38		1.06	0.78	0.96	0.58
Niger	1.11	2.99	1.43	1.25		1.36
Senegal	3.77	2.17		2.69		2.69
Guinea	3.20	2.90		2.34		2.34
Sierra Leone	1.75	3.15		1.81		1.79
Cote d'Ivoire	1.50	2.81		1.07		1.73
Ghana	2.72	2.81		3.05		3.08
Togo	3.68	3.13		2.69		2.97
Benin	4.02	2.56		3.32		3.27
Nigeria	3.87	2.29		2.88		2.88
Cameroon	3.92	2.66	2.07	3.09		3.05
CAR	3.41	2.75		2.59		2.36
Gabon	1.83	3.39				
CongoR	1.95	2.91				
DRC	2.10	3.42	1.05	1.15	1.16	1.22

Table 5.1.4 (e) Potential yield level (ton/ha) by 2015 in catch up to potential yield scenario, (rainfed)

	Cereal Other	Cassava	Potato	Sweet potato	yams	Root Other
Burkina Faso	0.82	6.00	4.00	8.19	11.88	
Chad	0.96	11.66	5.63	2.56	9.58	3.04
Gambia		6.00				
Guinea						
Bissau	0.46	15.30				8.63
Mali	0.61	11.02		13.91	12.65	
Mauritania			5.10	1.00	6.25	
Niger	0.84	21.03	9.51	15.43		
Senegal	0.49	5.59	18.75	5.04		
Guinea	0.95	9.77		3.04	11.68	6.24
Sierra Leone	1.10	7.34		2.49		2.55
Cote d'Ivoire	0.56	7.93		2.15	14.46	1.41
Ghana	0.67	18.42		1.38	18.75	9.83
Togo	0.95	10.53		1.11	15.07	1.39
Benin	0.57	16.54	2.82	5.09	17.20	3.53
Nigeria	0.53	13.44	4.50	4.15	12.54	5.34
Cameroon		16.20	4.06	4.97	8.25	8.60
CAR		4.71	2.56		8.74	2.82
Gabon		7.59		1.75	10.57	8.84
CongoR		13.50	9.16	6.84	6.53	8.02
DRC		14.61	4.62	5.01	5.23	5.31

Table 5.1.4 (f) Potential yield level (ton/ha) by 2015 in catch up to potential yield scenario, (rainfed)

	Beans	Pulse Other	Groundnut	Soybean	Oilcrop Other	Vegetable Do.
Burkina Faso		0.51	1.31	1.30	0.75	12.40
Chad	1.72	1.17	1.65		0.56	15.26
Gambia		0.25	1.32		0.38	6.34
Guinea Bissau		0.62	1.48		7.58	7.65
Mali		0.34	1.12		0.51	9.67
Mauritania	0.95	0.37	1.07			1.66
Niger	0.85	0.17	0.84		0.47	15.37
Senegal		0.20	1.06		0.98	18.35
Guinea		0.86	1.80		4.29	4.51
Sierra Leone		0.68	1.25		1.16	9.12
Cote d'Ivoire		0.68	1.45	2.08	4.81	8.63
Ghana		0.95	3.01		4.30	6.83
Togo	1.35	1.02	1.16		2.56	7.38
Benin	1.38	1.03	1.34	1.21	1.34	5.01
Nigeria		0.43	1.35	1.07	1.74	8.79
Cameroon	1.25	2.86	1.14	0.96	0.47	5.76
CAR		0.93	2.16		2.02	12.10
Gabon		0.67	1.46	2.22		9.91
CongoR	1.03	1.15	0.90		3.71	9.67
DRC	1.33	0.91	0.89	0.91	0.68	9.24

Table 5.1.4 (g) Potential yield level (ton/ha) by 2015 in catch up to potential yield scenario, (rainfed)

	Vegetable Ex.	Fruit Do.	Fruit Ex.	Banana	Sugar Raw	Cocoa
Burkina Faso		7.79				
Chad		6.03				
Gambia	16.55	5.65	13.80			
Guinea Bissau		9.34		4.62	41.25	
Mali		18.24				
Mauritania	10.30	4.01	9.50			
Niger	52.60	6.20	23.10		36.89	
Senegal		8.80		21.70		
Guinea		5.18		7.08	79.04	0.59
Sierra Leone		6.17		7.92	108.29	0.55
Cote d'Ivoire		10.14		6.12		0.88
Ghana		8.73		12.61	38.18	0.78
Togo	33.12	7.75	17.14	16.00		0.46
Benin		8.60		7.76		0.33
Nigeria		8.23		9.36		0.26
Cameroon		8.63		10.34	15.00	0.67
CAR		7.17		6.29	10.80	0.53
Gabon		2.45		8.15	88.24	0.10
CongoR	57.18	9.66		11.57	55.01	0.45
DRC		22.34		8.85	64.86	0.45

Table 5.1.4 (h) Potential yield level (ton/ha) by 2015 in catch up to potential yield scenario, (rainfed)

	Coffee	Cotton Lint	Tree nuts	Rubber	Oil palm	Tea
Burkina Faso		1.46	0.41			
Chad		0.96				
Gambia		0.57			0.57	
Guinea						
Bissau		1.81	0.57		1.26	
Mali		1.68	0.66			
Mauritania						
Niger		0.64				
Senegal		3.00	0.48		1.05	
Guinea	0.62	1.95	1.14	0.55	0.50	
Sierra Leone	1.62				1.52	
Cote d'Ivoire	0.55	1.97	1.07		0.48	
Ghana	0.26	1.03	0.61	0.67	0.47	
Togo	0.42	0.39	1.43		1.17	
Benin	0.25	1.60	0.27		1.05	
Nigeria	1.37	1.17	0.96		0.50	
Cameroon	0.42	1.69		1.20	1.19	0.82
CAR	0.74	0.69		0.83	0.84	
Gabon	0.47			1.00		
CongoR	0.45			0.80	0.63	
DRC	0.58	0.61		0.23	0.48	0.69

Table 5.1.5 Agricultural area distribution according to agro-climatic condition

	With best agr. suitability		With modest agr. suitability		With less agr. suitability	
	with irrigation	without irrigation	with irrigation	without irrigation	with irrigation	without irrigation
Burkina Faso	0.0	2.6	0.4	79.8	0.0	17.2
Chad	0.0	2.1	0.4	80.8	0.1	16.6
Gambia	0.0	0.0	0.5	94.3	0.0	5.2
Guinea Bissau	0.5	37.5	1.9	57.7	0.0	2.5
Mali	0.4	3.3	3.7	57.1	3.2	32.2
Mauritania	0.0	0.0	5.3	18.7	4.0	72.0
Niger	0.0	0.0	0.0	62.0	0.0	37.9
Senegal	0.0	0.0	0.7	91.0	1.0	7.3
Guinea	0.2	18.8	3.0	67.7	0.0	10.4
Sierra Leone	0.3	5.0	2.2	77.2	0.0	15.3
Cote d'Ivoire	0.1	90.7	0.4	6.9	0.0	1.9
Ghana	0.1	60.8	0.1	26.1	0.0	12.8
Togo	0.0	1.9	0.1	57.2	0.0	40.8
Benin	0.0	0.0	0.5	62.9	0.2	36.5
Nigeria	0.3	4.3	1.0	16.0	2.8	75.7
Cameroon	0.1	40.0	0.1	15.5	0.1	44.2
CAR	0.0	39.1	0.0	23.4	0.0	37.5
Gabon	1.6	91.8	0.0	1.0	0.0	5.6
CongoR	0.0	98.6	0.0	0.6	0.0	0.7
DRC	0.1	87.1	0.0	12.1	0.0	0.7

Table 5.1.6 (a) Targeted annual growth rate (%) in crop yield in catch up to potential yield scenario, (2006 – 2015 average, irrigated)

	Maize	Rice	Wheat	Sorghum	Millet	Cereal Other
Burkina Faso		9.38				
Chad		8.34	5.48			
Gambia		8.61				
Guinea Bissau		10.03				
Mali		7.55	5.48	9.18	10.28	7.04
Mauritania		6.54		7.79		
Niger	7.96	11.17	8.57			
Senegal		6.54				
Guinea		8.44				
Sierra Leone		9.38				
Cote d'Ivoire		9.18				
Ghana		9.05				
Togo		7.72				
Benin		6.54				
Nigeria		9.34	5.48			
Cameroon		7.23				
CAR						
Gabon						
CongoR						
DRC		13.54				

Table 5.1.6 (b) Targeted annual growth rate (%) in crop yield in catch up to potential yield scenario, (2006 – 2015 average, irrigated)

	Potato	Sweet potato	Groundnut	Vegetable Do.	Vegetable Ex.
Burkina Faso				6.46	6.46
Chad				6.46	6.46
Gambia					6.46
Guinea Bissau					6.46
Mali			7.38	6.46	6.46
Mauritania					6.46
Niger				7.96	
Senegal				6.46	6.46
Guinea					6.46
Sierra Leone					6.46
Cote d'Ivoire				6.46	6.46
Ghana					6.46
Togo					6.46
Benin				6.46	6.46
Nigeria			11.03	6.46	6.46
Cameroon					6.46
CAR					6.46
Gabon			8.59		
CongoR				6.46	
DRC					6.46

Table 5.1.6 (c) Targeted annual growth rate (%) in crop yield in catch up to potential yield scenario, (2006 – 2015 average, irrigated)

	Fruit Do.	Fruit Ex.	Sugar Raw	Tree nuts	Rubber	Tea
Burkina Faso	6.46	6.46	6.30	6.30		
Chad	6.46		6.30			
Gambia		6.46				
Guinea Bissau		6.46				
Mali	6.46	6.46	6.30	6.30		6.30
Mauritania		6.46				
Niger	7.96		6.30			
Senegal	6.46	6.46	6.30	6.30		
Guinea		6.46				
Sierra Leone		6.46				
Cote d'Ivoire	6.46	6.46	6.30	6.30	6.30	
Ghana		6.46				
Togo		6.46				
Benin	6.46	6.46	6.30	6.30		
Nigeria	6.46	6.46	6.30	6.30	6.30	
Cameroon		6.46				
CAR						
Gabon						
CongoR	6.46		6.30			
DRC						

Table 5.1.6 (d) Annual growth rate (%) in crop yield in catch up to potential yield scenario, (2006 – 2015 average, rainfed)

	Maize	Rice	Wheat	Sorghum	Barley	Millet
Burkina Faso	2.27	1.89		1.58		1.48
Chad	1.29	1.31		1.62		1.30
Gambia	1.90	2.35		1.84		3.19
Guinea Bissau	1.22	1.00		1.29		1.29
Mali	1.90	0.82		1.55		2.05
Mauritania	0.86		0.25	0.61	0.35	1.08
Niger	0.25	1.61	1.14	1.58		1.44
Senegal	3.54	1.62		2.54		3.71
Guinea	2.50	2.26		2.91		2.94
Sierra Leone	4.64	4.28		5.27		5.26
Cote d'Ivoire	3.37	3.14		3.29		3.07
Ghana	3.58	2.64		1.30		1.27
Togo	2.24	3.33		3.16		1.85
Benin	2.87	1.82		0.49		0.37
Nigeria	2.10	1.93		2.14		2.17
Cameroon	2.99	2.41	2.47	2.48		2.55
CAR	2.66	2.94		4.44		3.15
Gabon	3.08	2.94				
CongoR	3.08	2.94				
DRC	3.95	2.92	1.88	3.15	3.12	3.15

Table 5.1.6 (e) Annual growth rate (%) in crop yield in catch up to potential yield scenario, (2006 – 2015 average, rainfed)

	Cereal Other	Cassava	Potato	Sweet potato	yams	Root Other
Burkina Faso	1.14					
Chad	0.52					
Gambia						
Guinea Bissau	0.85					0.85
Mali	0.87					
Mauritania						
Niger	1.36					
Senegal	2.30					
Guinea	2.19	2.00				
Sierra Leone	5.09	4.49				
Cote d'Ivoire	2.66	2.97			2.97	
Ghana	0.93	3.21			3.21	3.21
Togo	2.73	5.01			5.01	
Benin	0.25	3.22			3.22	
Nigeria	1.93	2.34			2.34	
Cameroon		1.44				1.44
CAR		1.22			1.22	
Gabon		1.24			1.24	1.24
CongoR		1.25				
DRC		1.18				

Table 5.1.6 (f) Targeted annual growth rate (%) in crop yield in catch up to potential yield scenario, (2006 – 2015 average, rainfed)

	Beans	Pulse Other	Groundnut	Soybean	Oilcrop Other	Vegetable Do.
Burkina Faso		1.46	2.42	2.50	1.83	1.95
Chad	1.59	1.80	1.56		1.35	1.15
Gambia		2.45	3.33		2.73	4.07
Guinea Bissau		0.73	1.43		0.91	1.05
Mali		0.82	1.59		2.19	2.09
Mauritania	1.58	1.58	0.90			0.78
Niger	2.22	2.27	3.25		2.72	1.88
Senegal		5.06	4.42		2.70	2.98
Guinea		2.88	2.82		3.31	2.58
Sierra Leone		4.94	4.46		4.76	4.56
Cote d'Ivoire		2.70	3.35	3.03	3.14	2.15
Ghana		0.88	2.14		4.02	3.67
Togo	3.17	2.48	3.19		2.11	2.76
Benin	2.74	3.29	2.53	3.07	2.92	2.38
Nigeria		1.84	2.28	2.18	1.91	1.71
Cameroon	2.75	2.87	3.04	2.71	2.54	2.82
CAR		1.89	3.01		2.97	2.53
Gabon		2.83	3.07	5.32		2.91
CongoR	3.29	3.29	3.29		2.77	2.91
DRC	3.29	3.29	3.29	3.88	2.77	3.94

Table 5.1.6 (g) Targeted annual growth rate (%) in crop yield in catch up to potential yield scenario, (2006 – 2015 average, rainfed)

	Vegetable Ex.	Fruit Do.	Fruit Ex.	Banana	Sugar Raw	Cocoa
Burkina Faso		1.95				
Chad		1.15				
Gambia	4.07	4.07	4.07			
Guinea Bissau		1.05		1.05	0.98	
Mali		2.09				
Mauritania	0.78	0.78	0.78			
Niger	1.55	1.88	1.55		1.38	
Senegal		2.98		2.21		
Guinea		2.58		2.43	2.52	2.63
Sierra Leone		4.56		4.70	4.49	4.63
Cote d'Ivoire		2.15		3.31		2.69
Ghana		3.67		3.39	3.63	2.78
Togo	2.76	2.76	2.76	4.33		4.81
Benin		2.38		4.60		1.24
Nigeria		1.71		2.00		2.21
Cameroon		2.82		2.57	2.52	2.56
CAR		2.53		2.91	2.84	3.15
Gabon		2.91		2.91	2.84	3.15
CongoR	2.91	2.91		2.91	2.84	3.15
DRC		3.94		2.91	2.84	3.15

Table 5.1.6 (h) Targeted annual growth rate (%) in crop yield in catch up to potential yield scenario, (2006 – 2015 average, rainfed)

	Coffee	Cotton Lint	Tree nuts	Rubber	Oil palm	Tea
Burkina Faso		1.74	1.15			
Chad		1.04				
Gambia		4.00		2.30		
Guinea Bissau		0.98	0.98	0.98		
Mali		1.89	1.31			
Mauritania						
Niger		1.82				
Senegal		5.53	2.91	2.71		
Guinea	3.10	2.62	2.52	1.94	3.09	
Sierra Leone	4.95				4.89	
Cote d'Ivoire	2.22	2.27	2.08		3.21	
Ghana	3.61	4.27	3.63	3.25	3.18	
Togo	1.79	2.40	3.58		2.86	
Benin	1.91	0.77	2.49		3.13	
Nigeria	1.85	1.90	1.70		1.99	
Cameroon	2.57	2.47		2.21	2.50	2.21
CAR	2.84	2.00		1.86	2.84	
Gabon	2.84			1.89		
CongoR	2.84			1.98	2.84	
DRC	2.84	2.84		1.89	2.84	1.89

Table 5.1.7 Projected total agricultural exports by 2015 (million \$US)

	Base-run	Growth scenario 2: Catching-up yield potential	Growth scenario 2 with trade condition improvement
Burkina Faso	517	843	1,296
Chad	106	129	197
Gambia	23	69	138
Guinea Bissau	133	148	163
Mali	729	902	1,204
Mauritania	19	23	55
Niger	1,375	1,478	1,830
Senegal	37	222	318
Guinea	51	101	163
Sierra Leone	1	13	49
Cote d'Ivoire	3,762	5,102	5,667
Ghana	1,342	1,801	2,667
Togo	108	204	278
Benin	439	665	795
Nigeria	677	1,984	3,347
Cameroon	1,125	2,106	2,849
CAR	44	78	204
Gabon	5	16	42
Congo R	6	24	58
DRC	12	445	822
<i>Sahelian</i>	2,939	3,814	5,200
<i>Coastal</i>	6,378	9,871	12,966
<i>Central</i>	1,192	2,670	3,974
<i>West Africa</i>	10,510	16,354	22,140

Source: EMM model simulation results

Table 5.1.8 Projected total agricultural imports by 2015 (million \$US)

	Base-run	Growth scenario 2: Catching-up yield potential	Growth scenario 2 with trade condition improvement
Burkina Faso	243	209	364
Chad	270	200	224
Gambia	176	202	239
Guinea Bissau	98	101	100
Mali	443	279	335
Mauritania	422	405	408
Niger	455	343	515
Senegal	1,594	1,538	1,578
Guinea	303	196	213
Sierra Leone	205	180	203
Cote d'Ivoire	931	831	984
Ghana	705	535	630
Togo	257	211	234
Benin	942	566	607
Nigeria	4,226	2,338	2,366
Cameroon	553	492	738
CAR	9	9	11
Gabon	207	192	193
Congo R	225	203	213
DRC	332	170	287
<i>Sahelian</i>	3,458	3,067	3,398
<i>Coastal</i>	7,569	4,857	5,237
<i>Central</i>	1,326	1,066	1,442
<i>West Africa</i>	12,353	8,990	10,077

Source: EMM model simulation results

Table 5.1.9 Projected cereal and livestock exports and imports by 2015 (million \$US)

	Cereals		Livestock	
	Imports	Exports	Imports	Exports
Base-run				
Sahelian	1,571	9	1,433	1,632
Coastal	3,580	0	2,838	24
Central	599	0	557	19
West Africa	5,749	9	4,828	1,675
Growth scenario 2				
Sahelian	1,312	114	1,273	1,846
Coastal	1,878	0	2,215	35
Central	550	3	417	39
West Africa	3,740	118	3,905	1,920
Growth scenario with trade improvement				
Sahelian	1,383	279	1,525	2,650
Coastal	2,019	18	2,374	77
Central	613	22	656	36
West Africa	4,014	318	4,555	2,763

Source: EMM model simulation results

Table 5.1.10 (a) Agricultural export and import share in the base run (% , 2015)

<i>Exports</i>	Cereals	Roots	Pulse & oilseeds	Vegetable & fruit	O. high-value	Livestock	Process food	Cocoa	Cotton
Sahelian	0.3	0.0	1.0	3.1	4.4	55.5	0.0	0.0	35.6
Coastal	0.0	0.0	0.6	15.5	21.2	0.4	8.9	40.6	12.8
Central	0.0	0.0	0.1	25.6	24.8	1.6	0.0	25.6	22.4
West Africa	0.1	0.0	0.7	13.2	16.9	15.9	5.4	27.5	20.3
<i>Imports</i>									
Sahelian	42.4	0.8	0.4	0.2	8.0	38.7	9.4	0.1	0.0
Coastal	47.3	0.4	0.1	0.0	7.3	37.5	7.4	0.0	0.0
Central	45.2	0.9	0.2	0.0	1.4	42.0	9.7	0.0	0.6
West Africa	45.6	0.6	0.2	0.1	6.9	38.3	8.2	0.0	0.1

Source: EMM model simulation results

Table 5.1.10 (b) Agricultural export and import share in the growth scenario 2 (% , 2015)

<i>Exports</i>	Cereals	Roots	Pulse & oilseeds	Vegetable & fruit	O. high-value	Livestock	Process food	Cocoa	Cotton
Sahelian	3.0	0.0	5.4	4.3	3.9	48.4	0.0	0.0	34.9
Coastal	0.0	0.0	2.8	22.7	29.1	0.4	6.5	26.5	12.0
Central	0.1	14.4	4.9	31.7	16.8	1.5	0.3	16.1	14.3
West Africa	0.7	2.3	3.8	19.9	21.2	11.7	3.9	18.6	17.7
<i>Imports</i>									
Sahelian	40.0	0.7	0.1	0.2	8.4	38.9	11.5	0.1	0.0
Coastal	38.7	0.2	0.2	0.0	10.5	45.6	4.8	0.0	0.0
Central	51.6	0.1	0.0	0.0	0.7	39.1	8.1	0.0	0.3
West Africa	40.7	0.4	0.1	0.1	8.6	42.4	7.6	0.0	0.0

Source: EMM model simulation results

Table 5.1.10 (c) Agricultural export and import share in the growth scenario 2 with trade condition improvement (% , 2015)

<i>Exports</i>	Cereals	Roots	Pulse & oilseeds	Vegetable & fruit	O. high-value	Livestock	Process food	Cocoa	Cotton
Sahelian	5.4	0.0	6.6	3.7	3.2	51.0	0.0	0.0	30.2
Coastal	0.1	5.4	6.4	23.1	26.7	0.6	6.5	20.7	10.5
Central	0.5	23.7	7.5	32.5	13.6	0.9	0.0	11.1	10.1
West Africa	1.4	7.4	6.6	20.2	18.8	12.5	3.8	14.1	15.1
<i>Imports</i>									
Sahelian	36.8	0.7	1.0	0.2	8.1	40.5	12.6	0.1	0.0
Coastal	38.5	0.2	0.2	0.0	10.1	45.3	5.7	0.0	0.0
Central	42.5	0.1	0.0	0.0	1.5	45.5	10.0	0.0	0.4
West Africa	38.4	0.4	0.4	0.1	8.2	43.6	8.8	0.0	0.1

Source: EMM model simulation results

Table 5.2.1 Projected annual growth rate in two growth scenarios (2006 – 2015 average)

	GDP			AgGDP		
	Base-run	Growth scenario 1: Yield-recovering	Growth scenario 2: Catching-up yield potential	Base-run	Growth scenario 1: Yield-recovering	Growth scenario 2: Catching-up yield potential
Burkina Faso	3.72	4.56	5.08	4.03	4.89	5.55
Chad	4.00	4.84	5.01	2.56	3.44	3.66
Gambia	3.84	4.82	5.75	2.99	4.23	5.29
Guinea Bissau	4.16	5.44	5.77	3.45	4.55	5.05
Mali	4.78	5.80	6.37	3.47	4.87	5.88
Mauritania	4.35	4.72	4.96	2.47	3.25	3.58
Niger	3.31	4.28	4.77	3.31	4.49	5.14
Senegal	5.08	5.43	6.30	2.59	3.51	4.73
Guinea	3.09	3.85	4.66	3.54	4.61	5.89
Sierra Leone	3.00	3.94	5.62	2.93	4.01	6.41
Cote d'Ivoire	2.86	3.50	4.49	3.22	4.43	6.13
Ghana	4.39	5.09	6.03	4.31	5.24	6.61
Togo	3.17	3.99	4.96	2.98	3.92	5.42
Benin	4.87	5.61	6.12	4.79	5.81	6.75
Nigeria	4.50	5.46	6.33	4.46	5.50	6.70
Cameroon	3.58	4.33	5.23	3.63	4.84	6.05
CAR	3.08	3.91	4.66	3.10	4.12	4.97
Gabon	2.63	2.76	3.10	2.90	4.10	5.15
CongoR	2.35	2.49	2.67	2.69	3.74	4.76
DRC	2.98	3.79	4.75	2.86	3.81	5.02
<i>Sahelian</i>	4.32	5.05	5.63	3.26	4.31	5.1
<i>Coastal</i>	4.23	5.11	5.99	4.29	5.33	6.6
<i>Central</i>	3.09	3.66	4.38	3.26	4.36	5.5

Source: EMM model simulation results

Table 5.2.2 Sub-sector's contributions to agricultural growth in the catch up to potential yield scenario (2006 – 2015 agricultural average annual growth is 100)

	Cereals	Roots	Pulse and oilseeds	Vegetable and fruit	Cocoa	Cotton	O. high-value	Livestock	Process food
Burkina Faso	27.9	0.3	9.1	4.9	0.0	9.7	1.5	31.0	15.2
Chad	29.9	7.5	11.4	3.2	0.0	2.1	3.3	19.7	13.8
Gambia	27.7	0.3	27.0	3.3	0.0	0.1	0.0	13.5	26.5
Guinea Bissau	29.5	5.4	3.5	5.3	0.0	0.7	14.7	28.3	9.0
Mali	41.1	0.2	1.7	1.5	0.0	8.7	1.1	39.8	4.5
Mauritania	23.9	0.1	4.4	0.6	0.0	0.0	0.0	48.8	10.8
Niger	13.1	0.2	12.6	3.0	0.0	0.0	0.7	57.6	10.5
Senegal	28.6	0.6	11.3	13.9	0.0	2.9	4.4	12.6	16.5
Guinea Sierra Leone	34.5	7.3	15.8	7.7	0.2	2.9	1.5	16.3	12.8
Cote d'Ivoire	33.6	10.0	10.4	14.5	2.7	0.0	2.9	14.2	10.0
Ghana	15.0	9.3	3.7	35.1	12.7	5.0	0.0	6.2	20.3
Togo	6.9	23.1	4.6	17.8	11.0	0.3	0.5	8.2	26.3
Benin	22.4	29.5	7.8	2.6	1.9	8.5	1.3	7.2	17.1
Nigeria	12.9	24.4	5.0	9.6	0.0	6.6	0.0	8.2	34.9
Cameroon	26.3	28.7	8.3	4.5	0.3	0.6	1.3	10.1	21.4
CAR	7.3	10.2	6.0	17.3	6.0	2.6	4.7	22.9	21.8
Gabon	8.5	12.7	19.4	7.4	0.1	2.1	2.2	22.5	20.9
CongoR	2.8	17.5	6.8	15.6	0.4	0.0	6.4	21.0	25.4
DRC	1.4	29.8	9.3	19.3	1.0	0.0	7.6	19.3	11.0
	11.5	34.6	8.6	16.7	0.3	1.0	4.3	9.2	13.0

Source: EMM model simulation results

Table 5.3.1 (a) Accumulative producer benefits of growth option through yield-loss recovery (million \$US, 2006-2015)

	Rice	Maize	Millet	Sorghum	Cassava	Yams
Burkina Faso	36.4	25.4	57.8	37.0		
Chad	16.5	2.9	49.1	85.6		
Gambia	3.7	1.5	22.0	4.9		
Guinea Bissau	15.1	1.6	4.3	2.8		
Mali	137.2	12.0	75.1	11.6		
Mauritania	24.1	0.0	0.1	6.6		
Niger	3.6	0.0	7.2	26.3		
Senegal	65.1	55.1	19.3	7.3		
Guinea	120.1	5.9	0.8	0.6	14.5	0.4
Sierra Leone	33.2	0.7	0.7	1.9	4.4	0.0
Cote d'Ivoire	121.2	32.2	5.3	4.4	19.0	34.9
Ghana	27.4	53.8	7.2	25.4	125.7	52.4
Togo	6.4	22.8	4.1	19.5	13.9	0.8
Benin	15.1	141.5	3.3	20.0	63.7	28.8
Nigeria	723.1	310.4	328.4	716.6	516.6	1,023.2
Cameroon	18.5	129.8	6.0	79.1	111.3	29.0
CAR	6.5	13.4	1.1	6.3	3.4	4.7
Gabon	0.2	4.0	0.0	0.0	8.2	4.5
CongoR	0.2	0.7	0.0	0.0	31.0	0.2
DRC	34.2	114.0	2.3	6.1	436.0	-0.3
<i>Sahelian</i>	301.7	98.6	235.0	182.1	0.0	0.0
<i>Coastal</i>	1,046.5	567.3	349.9	788.4	757.7	1,140.4
<i>Central</i>	59.5	262.0	9.3	91.6	590.0	38.2
<i>West Africa</i>	1,407.7	927.9	594.2	1,062.1	1,347.7	1,178.6

Source: DREAM model results

Table 5.3.1 (b) Accumulative producer benefits of growth option through yield-loss recovery (million \$US, 2006-2015)

	Groundnut	Oil Palm	Banana	Beans	Cocoa	Coffee	Cotton
Burkina Faso	46.1	0.0	0.0	0.0			81.8
Chad	4.8	0.0	0.0	0.0	24.0		25.9
Gambia	2.6	0.4	0.0	0.0	0.0		0.1
Guinea Bissau	0.4	0.3	2.6	0.0	0.0		1.0
Mali	17.3	0.0	0.0	0.0	0.0		81.6
Mauritania	0.2	0.0	0.0	0.0	0.0		0.0
Niger	29.6	0.0	0.0	0.0	2.2		1.2
Senegal	154.0	0.1	0.6	0.0	0.0		4.2
Guinea	30.5	1.2	9.8	0.0	0.0	1.7	1.8
Sierra Leone	1.3	1.0	1.3	0.0	0.0	4.7	1.8
Cote d'Ivoire	12.8	1.1	75.8	0.0	0.0	206.6	38.6
Ghana	34.3	1.0	94.1	0.0	0.0	19.9	0.2
Togo	5.7	0.3	0.7	0.0	11.0	2.9	0.4
Benin	2.5	0.3	1.8	0.0	22.9	0.0	0.0
Nigeria	416.4	4.7	77.2	0.0	0.0	61.9	0.2
Cameroon	47.7	1.8	149.1	0.0	66.4	29.9	12.6
CAR	36.0	0.0	14.7	0.0	0.0	0.0	0.0
Gabon	6.9	0.0	9.6	0.0	0.0	0.0	0.0
CongoR	2.8	0.0	5.9	0.0	1.1	0.3	0.1
DRC	38.3	0.1	44.7	0.0	32.2	5.9	1.0
<i>Sahelian</i>	255.0	0.9	3.2	0.0	26.2	0.0	0.0
<i>Coastal</i>	503.4	9.6	260.6	0.0	34.0	297.7	43.0
<i>Central</i>	131.6	2.0	223.9	0.0	99.8	36.1	13.6
<i>West Africa</i>	890.1	12.5	487.6	0.0	159.9	333.8	56.7

Source: DREAM model results

Table 5.3.2 (a) Per hectare accumulative producer benefits of growth option through yield-loss recovery (\$US/Ha, 2006-2015)

	Rice	Maize	Millet	Sorghum	Cassava	Yams
Burkina Faso	749.6	71.9	44.7	25.4		
Chad	175.5	22.3	66.4	119.1		
Gambia	285.7	79.9	214.6	209.6		
Guinea Bissau	227.7	81.3	132.8	150.6		
Mali	336.5	38.4	58.0	13.4		
Mauritania	1,470.0	1.2	9.7	50.1		
Niger	147.7	68.7	1.4	10.7		
Senegal	773.5	467.1	24.0	40.3		
Guinea	235.9	66.0	68.7	87.0	65.1	69.9
Sierra Leone	167.8	68.0	88.8	124.0	70.0	0.0
Cote d'Ivoire	252.1	38.5	61.8	53.8	61.0	112.7
Ghana	224.6	69.4	36.6	79.5	166.6	176.8
Togo	189.4	54.8	46.3	93.1	117.6	14.7
Benin	592.9	210.6	71.6	110.2	268.2	174.4
Nigeria	294.8	53.6	38.1	85.2	147.0	345.1
Cameroon	1,040.8	327.4	117.6	191.8	533.9	874.3
CAR	456.3	125.1	100.4	127.6	18.2	82.8
Gabon	329.9	216.4	0.0	0.0	183.2	206.0
CongoR	77.8	85.2	0.0	0.0	327.4	141.6
DRC	80.3	77.1	42.4	70.6	232.1	18.0
<i>Sahelian</i>	399.9	100.9	25.0	31.1	276.1	112.4
<i>Coastal</i>	273.8	66.1	38.6	85.5	145.2	342.2
<i>Central</i>	129.2	130.4	80.8	166.9	244.3	291.8

Source: DREAM model results

Table 5.3.2 (b) Per hectare accumulative producer benefits of growth option through yield-loss recovery (\$US/Ha, 2006-2015)

	Groundnut	Oil Palm	Banana	Beans	Cocoa	Coffee	Cotton
Burkina Faso	138.1	0.0	0.0	0.0			211.7
Chad	10.1	0.0	0.0	161.4			90.6
Gambia	22.3	124.7	0.0	0.0			55.1
Guinea Bissau	26.5	32.0	187.9	0.0			280.7
Mali	84.5	0.0	0.0	0.0			177.5
Mauritania	71.8	0.0	0.0	0.0			0.0
Niger	126.8	0.0	0.0	127.4			79.7
Senegal	184.1	16.5	1,572.5	0.0			116.2
Guinea	152.1	4.0	79.3	0.0	264.2	36.1	327.3
Sierra Leone	60.2	41.9	239.2	0.0	153.2	113.7	0.0
Cote d'Ivoire	88.1	7.5	185.7	0.0	116.4	68.7	546.1
Ghana	97.9	8.6	343.0	0.0	14.2	19.7	183.0
Togo	92.4	24.2	440.8	71.4	128.5	8.5	0.0
Benin	16.4	17.4	707.8	186.3	0.0	8.3	336.7
Nigeria	150.5	1.5	217.7	0.0	61.6	59.3	108.9
Cameroon	184.0	32.9	499.8	310.5	80.3	57.1	388.4
CAR	314.8	1.7	315.1	0.0	10.1	1.0	246.3
Gabon	381.3	0.0	185.0	0.0	2.1	7.9	0.0
CongoR	70.7	1.7	290.2	245.2	63.2	12.1	0.0
DRC	81.3	0.5	127.8	155.3	296.5	10.7	48.8
<i>Sahelian</i>	115.1	43.2	224.1	148.8	0.0	0.0	165.3
<i>Coastal</i>	136.0	2.5	222.8	122.4	70.1	62.4	245.7
<i>Central</i>	146.0	6.5	292.0	234.2	88.9	40.4	291.4

Source: DREAM model results

Table 5.3.3 (a) Accumulative producer benefits of growth option through catching-up yield potential (Million \$US, 2006-2015)

	Rice	Maize	Millet	Sorghum	Cassava	Yams
Burkina Faso	210.4	38.5	130.1	105.1		
Chad	53.3	5.2	39.2	105.1		
Gambia	14.2	1.1	60.1	6.7		
Guinea Bissau	60.7	1.6	2.8	2.5		
Mali	589.3	26.0	226.9	26.4		
Mauritania	84.4	0.0	0.2	18.7		
Niger	7.4	1.4	60.8	126.6		
Senegal	222.6	208.4	251.8	48.5		
Guinea	388.7	11.7	2.3	1.6	19.1	2.7
Sierra Leone	162.8	4.3	5.2	11.0	52.6	0.0
Cote d'Ivoire	502.5	118.5	12.3	13.3	94.3	284.3
Ghana	107.9	238.8	10.6	44.1	738.6	449.4
Togo	26.9	50.9	7.2	67.1	-0.2	7.2
Benin	65.3	358.8	0.6	17.2	369.2	247.9
Nigeria	4,075.5	684.5	768.7	1,617.1	1,312.9	1,024.0
Cameroon	81.8	363.3	16.2	220.9	274.7	92.6
CAR	19.8	37.5	2.9	16.8	9.4	74.1
Gabon	0.5	11.2	0.0	0.0	22.7	44.4
CongoR	0.5	2.0	0.0	0.0	84.6	2.0
DRC	144.7	318.8	6.2	16.1	1,256.0	11.4
<i>Sahelian</i>	1,242.3	282.2	771.9	439.7	0.0	0.0
<i>Coastal</i>	5,329.7	1,467.7	806.9	1,771.3	2,586.6	2,015.5
<i>Central</i>	247.4	732.9	25.3	253.9	1,647.4	224.5
<i>West Africa</i>	6,819.4	2,482.8	1,604.1	2,464.9	4,234.0	2,240.1

Source: DREAM model results

Table 5.3.3 (b) Accumulative producer benefits of growth option through catching-up yield potential (Million \$US, 2006-2015)

	Groundnut	Oil Palm	Banana	Beans	Cocoa	Coffee	Cotton
Burkina Faso	69.5	0.0	0.0	0.0			133.3
Chad	6.5	0.0	0.0	27.9			9.7
Gambia	8.1	3.3	0.0	0.0			0.4
Guinea Bissau	1.6	0.3	2.2	0.0			0.2
Mali	19.3	0.0	0.0	0.0			200.3
Mauritania	0.0	0.0	0.0	0.0			0.0
Niger	101.5	0.0	0.0	4.3			0.5
Senegal	600.2	0.8	1.7	0.0			70.5
Guinea	7.0	8.7	8.8	0.0	11.7	13.3	44.2
Sierra Leone	4.4	7.1	10.2	0.0	30.7	14.9	0.0
Cote d'Ivoire	11.9	7.5	298.2	0.0	1,251.6	271.4	398.4
Ghana	6.7	7.3	393.2	0.0	110.7	1.3	28.2
Togo	6.1	2.4	3.4	32.9	19.1	3.1	0.0
Benin	2.9	2.6	12.3	55.6	0.0	0.0	195.0
Nigeria	2,200.5	31.0	143.9	0.0	318.7	1.6	176.4
Cameroon	122.1	13.1	461.5	174.0	236.4	76.4	240.7
CAR	92.3	0.3	45.5	0.0	0.1	5.6	16.9
Gabon	24.7	0.0	29.5	0.0	1.0	0.1	0.0
CongoR	7.1	0.4	18.0	3.0	2.2	1.3	0.0
DRC	97.0	7.5	137.2	84.5	16.6	25.9	11.3
<i>Sahelian</i>	806.8	4.4	3.9	32.2	0.0	0.0	414.9
<i>Coastal</i>	2,239.6	66.6	870.0	88.5	1,742.5	305.6	842.2
<i>Central</i>	343.2	21.4	691.8	261.5	256.2	109.2	269.0
<i>West Africa</i>	3,389.6	92.4	1,565.7	382.1	1,998.7	414.9	1,526.0

Source: DREAM model results

Table 5.3.4 (a) Per hectare accumulative producer benefits of growth option through catching-up yield potential (\$US/Ha, 2006-2015)

	Rice	Maize	Millet	Sorghum	Cassava	Yams
Burkina Faso	4,333.0	108.9	100.7	72.0		
Chad	568.0	39.3	53.1	146.3		
Gambia	1,084.5	56.3	585.5	288.3		
Guinea Bissau	915.1	79.1	84.9	131.6		
Mali	1,445.6	83.2	175.1	30.7		
Mauritania	5,151.6	86.5	24.7	142.3		
Niger	304.4	172.0	11.8	51.6		
Senegal	2,644.7	1,765.7	314.2	266.1		
Guinea	763.2	130.2	185.5	221.3	86.0	516.6
Sierra Leone	823.9	395.9	649.0	726.9	844.4	0.0
Cote d'Ivoire	1,045.6	141.8	143.5	161.5	303.2	916.8
Ghana	883.4	308.4	53.6	137.9	979.1	1,517.6
Togo	794.6	122.5	81.1	320.4	77.6	134.0
Benin	2,556.4	534.2	12.9	94.7	1,553.2	1,500.3
Nigeria	1,661.7	118.2	89.1	192.4	373.7	345.3
Cameroon	4,603.6	916.2	318.6	535.3	1,317.7	2,792.4
CAR	1,397.3	350.1	272.0	339.3	50.1	1,304.1
Gabon	1,011.1	605.7	0.0	0.0	504.2	2,019.5
CongoR	238.4	238.3	0.0	0.0	893.0	1,242.9
DRC	339.7	215.7	114.4	186.4	668.5	664.4
<i>Sahelian</i>	1,646.8	272.8	82.0	75.2	889.6	845.9
<i>Coastal</i>	1,388.8	170.9	89.0	192.1	503.1	458.3
<i>Central</i>	537.2	364.8	218.8	462.6	682.2	1,717.2

Source: DREAM model results

Table 5.3.4 (b) Per hectare accumulative producer benefits of growth option through catching-up yield potential (\$US/Ha, 2006-2015)

	Groundnut	Oil Palm	Banana	Beans	Cocoa	Coffee	Cotton
Burkina Faso	208.5	0.0	0.0	0.0			344.9
Chad	77.5	0.0	0.0	187.5			33.9
Gambia	69.3	938.4	0.0	0.0			405.6
Guinea Bissau	97.9	32.0	162.4	0.0			65.7
Mali	94.0	0.0	0.0	0.0			435.6
Mauritania	5.5	0.0	0.0	0.0			0.0
Niger	434.1	0.0	0.0	250.5			166.0
Senegal	717.5	124.2	4,534.8	0.0			1,970.7
Guinea	35.0	28.1	71.5	0.0	1,834.8	265.9	1,054.3
Sierra Leone	206.9	314.1	1,868.2	0.0	1,002.9	943.3	0.0
Cote d'Ivoire	82.1	53.0	730.9	0.0	704.9	482.6	1,391.8
Ghana	170.4	63.8	1,433.4	0.0	78.6	155.5	950.0
Togo	99.7	181.2	2,086.0	213.1	841.8	65.0	0.0
Benin	147.0	130.7	4,929.8	451.5	0.0	62.8	527.3
Nigeria	795.2	9.7	378.8	0.0	317.0	400.5	301.5
Cameroon	470.8	233.6	1,547.1	813.9	635.4	347.2	1,309.7
CAR	808.5	86.4	976.1	0.0	74.0	289.7	821.5
Gabon	1,371.9	0.0	569.0	0.0	113.5	282.7	0.0
CongoR	179.7	51.0	893.2	642.4	515.2	231.5	0.0
DRC	206.3	31.8	392.4	407.1	834.1	280.9	162.9
<i>Sahelian</i>	343.2	224.4	277.0	182.9	0.0	0.0	352.1
<i>Coastal</i>	611.3	17.4	744.1	318.9	410.1	443.5	569.0
<i>Central</i>	380.8	69.5	902.3	613.8	631.7	323.9	981.7

Source: DREAM model results

Table 5.4.1 Poverty rate by region in Ghana

	1999	2003	2012	2015	% decline by 2015 from 1999	1991/92	% decline in 1999 from 91/92
ACCRA	5.2	3.8	2.2	1.6	-68.4	25.8	-79.8
ASHANTI	27.7	23.8	16.5	14.1	-49.1	41.2	-32.7
BRONG_AHAFO	35.8	27.4	14.5	12.0	-66.6	65.0	-44.9
CENTRAL	48.4	40.4	26.7	20.1	-58.4	44.3	9.4
EASTERN	43.7	40.6	33.7	32.5	-25.6	48.0	-9.0
NORTHERN	69.2	65.7	59.5	57.0	-17.6	63.4	9.1
UPPER_EAST	88.2	86.3	77.0	70.3	-20.3	66.9	31.8
UPPER_WEST	83.9	75.8	71.2	70.5	-16.0	88.4	-5.1
VOLTA	37.7	30.9	18.7	15.8	-58.1	57.0	-33.8
WESTERN	27.3	23.4	11.8	10.3	-62.0	59.6	-54.3
National, rural	49.5	44.2	33.8	30.9	-37.5	63.6	-22.2
National, urban	19.4	16.0	10.9	9.1	-53.2	27.7	-30.0
National, total	39.5	34.8	26.2	23.7	-40.0	52.0	-24.1

Source: GSS data and EMM model simulation results

Table 5.4.2 Broad-based agricultural growth helps reduce poverty in the poorest three regions in Ghana

Poverty rate	1999	Staple-led growth	Export-led growth
NORTHERN	69.2	34.2	56.4
UPPER_EAST	88.2	41.5	73.0
UPPER_WEST	83.9	48.7	69.5

Table 6.1 Comparison of Basic Indicators across key Regional Economic Communities (2003)

Indicator	ECOWAS	UEMOA	SADC	COMESA	EAC
Population (in millions)	250	75.5	209.1	370.5	91.8
GDP per capita (USD)	326.1	488.7	1175	520.6	337.7
GDP growth (%)	6.7	2	2.7	3.3	4.5
Inflation (CPI, %)	3.2	-0.5	9.5	10	6.9
Intra-community exports (%)	10.3	11.2	12.8	6.0	18.1
Life expectancy (years)	46	46	44	50	44
Literacy rate (%)	62	35	77	n/a	78

Sources: World Bank, African Regional Integration Project, <http://www.worldbank.org>, Economic Commission for Africa. 2004. *Assessing Regional Integration in Africa*. Addis Ababa, Ethiopia.

Table 6.2: Comparison between UEMOA's and ECOWAS' Institutional Structure

ORGAN	UEMOA¹	ECOWAS²
Executing Agency	Commission	Executive Secretariat
Other responsibilities	Day-to-day functioning of the institution, harmonizing texts, conveys opinions and recommendations to the Council of Ministers	Day-to-day functioning of the institution
Liaison between Organs	Council of Ministers	Council of Ministers
Other responsibilities	Defines the monetary and credit policy of UEMOA	Makes recommendations to the supreme authority, issues directives on matters concerning coordination and harmonization of economic integration policies, exercise all power delegated to it by the supreme authority
Members	Member states' finance ministers + relevant minister for the discussed policy	Member states' minister of ECOWAS affairs + relevant minister for the discussed policy
Decision-making authority?	Yes; if no decision made via unanimity, passed to the supreme authority	No
Meeting frequency	Twice per year	Twice per year
Supreme authority	Conference of Heads of State	Authority of Heads of State and Governments
Members	Presidents of the eight member states	Presidents of the 15 members states
Decision Rule	Unanimity	Unanimity, consensus, or two-thirds majority depending on the issue at hand
Meeting frequency	Once per year	Once per year
Consultative organs	Inter-parliamentary Committee	Parliament
Responsibilities	Plays a consultative role in debates over regional integration; it is a precursor to the democratic UEMOA Parliament	Plays an advisory role on all regional integration issues but no decision-making authority
Members	40 members	115 seats (each member receives 5 + additional seats based on population size); members will ultimately be elected for a 5-year term by citizens of their country but this is not yet effective
Meeting frequency	Once per year	Twice per year for a minimum of two weeks
Finance Mechanisms	<i>Community Solidarity Levy:</i> 1 percent levy on imports from non-member states (fully effective)	<i>Community Levy:</i> 0.5 percent levy on imports from non-member states (partially effective)

Sources: ¹ Interview with official from UEMOA, June 30, 2006; UEMOA website, <http://www.uemo.int>, accessed July 20, 2006. ² Asante, S.K.B. 2004. "The Travails of Integration," chapter 3 in Adekeye Adebajo and Ismail Rashid (eds.), *West Africa's Security Challenges: Building Peace in a Troubled Region*, Lynne Rienner Publishers: Boulder, CO; ECOWAS Treaty of 1993; ECOWAS website, <http://www.ecowas.int>, accessed July 20, 2006.

Table 7.1: Summary and Implications for Agricultural R&D Strategies in West and Central Africa

	Contribution to total agricultural growth and ranking	Research benefits and ranking	Other considerations	Implications for policy and R&D
Rice	<ul style="list-style-type: none"> ✓ Contribute to 15.2% of projected WCA total ag growth (ranks 3rd) ✓ Contribute to 16.3% and 17.0% of projected Sahel and Coast total ag growth (ranks 2nd) ✓ Large contribution to total ag growth in 8 countries (share in country's AgGDP growth): Sierra Leone: 35.5% Guinea: 32.9% Mali: 21.8% Guinea Bissau: 19.5% Mauritania: 18.6% Nigeria: 12.8% Senegal : 12.0% Cote d'Ivoire: 9.9% 	<ul style="list-style-type: none"> ✓ Highest total research benefits in WCA (US\$6.8 billion in 10 yrs) ✓ Total producer benefits rank 1st in Sahel (US\$1.2 billion) and Coast (US\$5.3 billion) ✓ Rank 1st in 7 countries: Nigeria: US\$4.1 bil Mali: US\$590 mil Guinea: US\$390 Burkina Faso: US\$210 mil Sierra Leone: US\$160 mil Guinea Bissau: US\$60 mil Mauritania: US\$24 mil ✓ Consumers in all WCA countries would benefits from lowered price and less import 	<ul style="list-style-type: none"> ✓ Markets for rice is not a constraint ✓ Areas of low-acc/low-dens show greatest potential for production growth ✓ Main constraint is high cost of production inputs 	<ul style="list-style-type: none"> ✓ Need adaptation R&D at regional level ✓ Complementary investments needed ✓ Improving productivity through lowered production costs

<p style="text-align: center;">Traditional grains</p>	<ul style="list-style-type: none"> ✓ Contribute to 5.8% of projected WCA total ag growth (ranks 6th) ✓ Contribute to 1.1% of projected Sahel total ag growth (ranks 3rd) ✓ Large contribution to total ag growth in 8 countries (share in country's AgGDP growth): Gambia: 19.2% Burkina Faso: 17.8% Mali: 11.7% Senegal: 11.7% Niger: 11.3% Chad: 7.3% Nigeria: 7.1% Togo: 5.4% 	<ul style="list-style-type: none"> ✓ Total research benefits of maize rank 4th (US\$2.5 billion), sorghum ranks 5th (US\$2.4 billion), and millet ranks 8th (US\$1.6 billion) in WCA ✓ Maize ranks 2nd in Central (US\$730 million), millet 3rd in Sahel (US\$770 million), and sorghum 4th in Sahel (US\$440 million) ✓ Maize ranks 2st in 4 countries: Guinea: US\$390 Benin: US\$360 mil Cameron: US\$360 mil DRC: US\$320 mil Togo: US\$50 mil ✓ Millet ranks 1st in Gambia (US\$60 million), ranks 2nd in 3 countries (Guinea Bissau, Mali, Senegal) ✓ Sorghum ranks 1st in 3 countries (Chad, Niger and Togo), ranks 2nd in Mauritania 	<ul style="list-style-type: none"> ✓ Higher growth potential will come from areas with low market access & low population density ✓ With high urban demand, the linkages with processing is important ✓ Linkages with livestock 	<ul style="list-style-type: none"> ✓ In low mkt acc/low pop dens areas, processing technologies. ✓ Improved varieties that are more suitable for feed ✓ In high market access areas, high-input technologies are a better option
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Livestock	<ul style="list-style-type: none"> ✓ Contribute to 15.5% of projected WCA total ag growth (ranks 2nd) ✓ Contribute to 19.9% and 35.5% of projected Central and Sahel total (ranks 1st) 	<i>Not covered by the study</i>	<ul style="list-style-type: none"> ✓ In WCA, supply of certain livestock (e.g. beef, sheep, and goats) are concentrated far from major urban markets ✓ Major growth of livestock in WCA (such as poultry) is likely to occur near the major urban markets ✓ Urban demand for livestock will continue to grow rapidly. Can the region take advantage of this opportunity? 	<ul style="list-style-type: none"> ✓ Need region-wide strategy that considers both R&D and reduction in market transaction costs and barriers for intraregional trade ✓ There are huge implications between choosing whether investing in intensive systems within coastal areas is more important than investing in the Sahel
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<p style="text-align: center;">Roots and tubers</p>	<ul style="list-style-type: none"> ✓ Contribute to 17% of projected WCA total ag growth (ranks 1st) ✓ Contribute to 17% and 20% of projected Coast and Sahel total growth (ranks 2nd in Central and 1st in Coast) ✓ More than 15% of contribution to total ag growth in 9 countries (share in country's AgGDP growth): <ul style="list-style-type: none"> Togo: 34.1% DRC: 30.4% Benin: 28.1% CongoR: 27.0% Ghana: 22.1% Nigeria: 21.1% Gabon: 17.9% CAR: 16.7% Cameroon: 9.7% 	<ul style="list-style-type: none"> ✓ Cassava total producer benefits rank 2nd in WCA (US\$4.7 billion) ✓ Cassava ranks 1st in Central (US\$2.1 billion) and 2nd in Coast (US\$2.6 billion) ✓ Cassava ranks 1st in 4 countries (Ghana, Benin, CongoR, DRC, ranks 2nd in Sierra Leone) ✓ Yam total benefits rank 7th in WCA (US\$1.8 billion), rank 5th in Nigeria (US\$1.0 billion) 	<ul style="list-style-type: none"> ✓ Demand opportunities exist in both regional and export markets – especially for processed cassava products and agro-industry ✓ Due to the short shelf life of cassava, complementary linkages between improved production and processing technologies are important in both low and high markets access areas. 	<ul style="list-style-type: none"> ✓ Target emerging market demand (e.g., China) ✓ Improvements in processing technologies will be critical to improve overall productivity and competitive in regional and international markets ✓ Improve varieties for agro-industry and bio-fuel
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Pulse & oilseeds	<ul style="list-style-type: none"> ✓ Contribute to 8.7% of projected WCA total ag growth (ranks 5th) ✓ Contribute to 11.6% of projected Sahel total growth (ranks 4th) ✓ Larger than 9% of contribution to total ag growth in 11 countries (share in country's AgGDP growth): <ul style="list-style-type: none"> Gambia: 37.3% Niger: 16.4% Senegal : 14.7% Chad: 14.0% Burkina Faso: 13.6% Guinea: 13.0% Sierra Leone: 9.6% CAR: 9.6% Nigeria: 9.5% CongoR: 9.4% DRC: 9.3% 	<ul style="list-style-type: none"> ✓ Beans rank 12th in WCA (\$US380 million) ✓ Groundnuts rank 3rd in WCA (\$US3.4 billion) ✓ Groundnuts rank 2nd in Sahel (US\$810 million), 3rd in Coast (US\$2.3 billion) 4th in Central (US\$340 million) ✓ Groundnuts rank 1st in 2 countries (Senegal and CAR), rank 2nd in 2 countries (Niger and Nigeria) 	<ul style="list-style-type: none"> ✓ Large opportunities in both regional & export mks ✓ Multi-use crop (human consumption and feed) ✓ Loss of market share to imports for certain products (e.g. groundnut oil) ✓ Changing consumer preferences (groundnut v. soybean oils) 	<ul style="list-style-type: none"> ✓ Improve import and export competitiveness (e.g., groundnut oil, groundnuts, beans) ✓ Processing technologies ✓ Targeted varieties
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Cocoa/cotton	<ul style="list-style-type: none"> ✓ Contribute to 2.1% (cotton) and 2.8% (cocoa) of projected WCA total ag growth ✓ Contribute to 4.8% (cotton) of projected Sahel total ag growth and more than 2% (cocoa) of project Coast and Central total ag growth 	<ul style="list-style-type: none"> ✓ Cocoa total producer benefits rank 6th (US\$2.0 billion) and 10th for cotton (US\$1.5 billion) in WCA ✓ Cocoa ranks 1st in Cote d'Ivoire (US\$1.3 billion) ✓ Cotton ranks 2nd in Burkina Faso and Guinea, 3rd in 3 countries (Mali, Cote d'Ivoire and Benin) 	<ul style="list-style-type: none"> ✓ Difficult global markets for bulk commodities – often saturated, volatile, and distorted (tariffs) ✓ Key question is the extent to which there are large potentials for farm level productivity gains? Or alternatively, focusing on product differentiation (cocoa)? 	<ul style="list-style-type: none"> ✓ Diversify into emerging markets (e.g. East Asia and East Europe) ✓ Issues more related to access to markets. Increased competitiveness, product differentiation, varieties, niche markets?
Vegetable & fruits	<ul style="list-style-type: none"> ✓ Contribute to 10.5% of projected WCA total ag growth (ranks 4th) ✓ Contribute to 10.4% and 17.3% of projected Coast and Central total ag growth (ranks 4th and 3rd) 		<ul style="list-style-type: none"> ✓ Very diverse in both commodities and countries ✓ Driven by private sector ✓ Highly affected by policies outside of agricultural sector 	<ul style="list-style-type: none"> ✓ Strong regulatory and well functioning institutions are important at the country level ✓ Given higher incentives for private sector investments,

Other high value	<ul style="list-style-type: none"> ✓ Contribute to 3.6% of projected WCA total ag growth ✓ Contribute to 3.7% and 4.4% of projected Coast and Central total ag growth 		<ul style="list-style-type: none"> ✓ Generally no demand constraints ✓ Poses challenges at the country level since it requires well developed institutions (for certification, grading & standards, sanitation, etc.) ✓ Smallholder entry is limited due to the demand for quality standards and certification. 	<ul style="list-style-type: none"> what role for public sector ✓ ✓ Issues more related to access to markets. Increased competitiveness, product differentiation, varieties in niche markets ✓
Crosscutting: Institutionalizing the regional strategic priority options	Very Important	Extremely important	Close collaboration, consultation and coordination with NEPAD/CADDP, ECOWAS, UEMOA, CILLS, NARS, Farmers' organizations, and donors	In addition to commodity research, analysis on how to institutionalize the research priorities is also key
Cross cutting: Building regional analytical capacity in research priority setting	Important	Very Important	Strong support from universities, donors, and IFPRI	Capacity in social economic research needs to be strengthened to assess strategic options in a constant basis.

Table C1. Estimation results of the gravity model [Appendix C]

Variables	Estimated coefficients	t-ratio	p-value
Variables explaining demand from importer			
Urban population	4.51	194.50	0.00
GDP/capita	0.73	24.25	0.00
Crop output/Livestock	1.64	84.55	0.00
Livestock/population	-0.93	-70.80	0.00
FMD importer	-3.32	-54.97	0.00
Variables explaining supply from exporter			
Animal stock	0.16	18.84	0.00
Yield =Livestock output/animal stock	0.27	12.78	0.00
GDP/capita	-0.18	-5.31	0.00
Urban population	-3.42	-62.06	0.00
Crop output/Livestock	-0.74	-40.84	0.00
Cost of diesel fuel	-1.76	-80.50	0.00
Meat exports from the EU	-0.65	-84.87	0.00
FMD exporter	1.93	30.48	0.00
Bilateral variables			
Distance	-0.69	-86.84	0.00
Common language	2.76	68.88	0.00
Common border	-1.9	-65.14	0.00
Other			
Regional trade agreement (ECOWAS)	-0.32	-3.80	0.00
Border effect West Africa	7.62	127.00	0.00

Note: Buse $R^2 = 0.99$

Figures for Report

(Figures are numbered by the chapters and sections they appear)

Figure 2.1 Required government agricultural spending for achieving MDG1 in West Africa

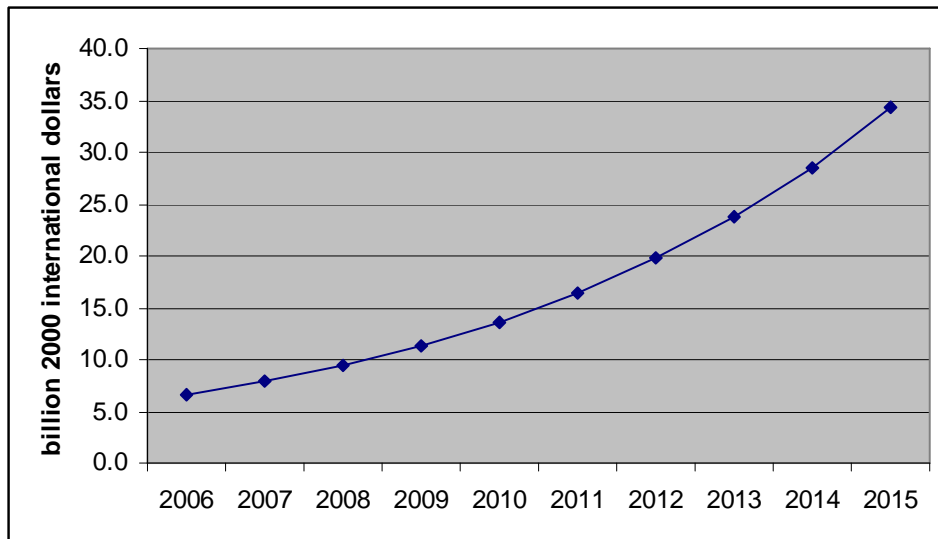
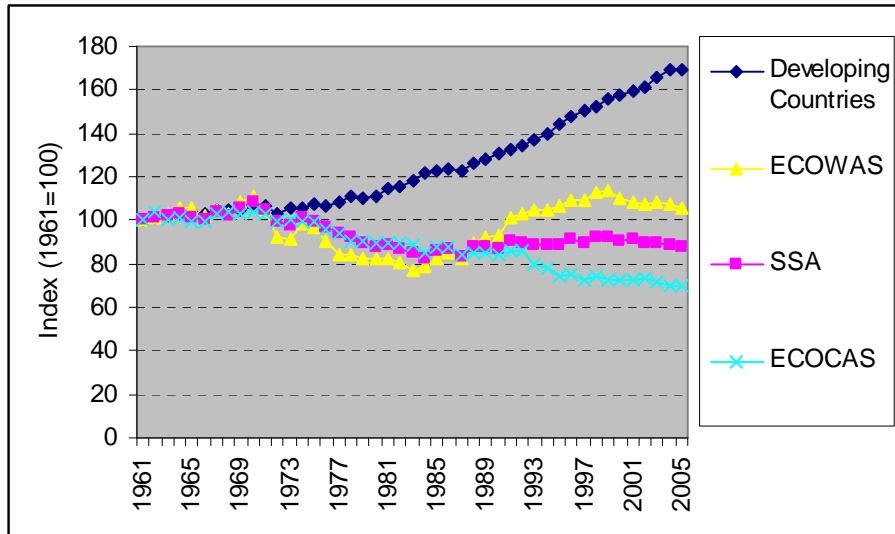
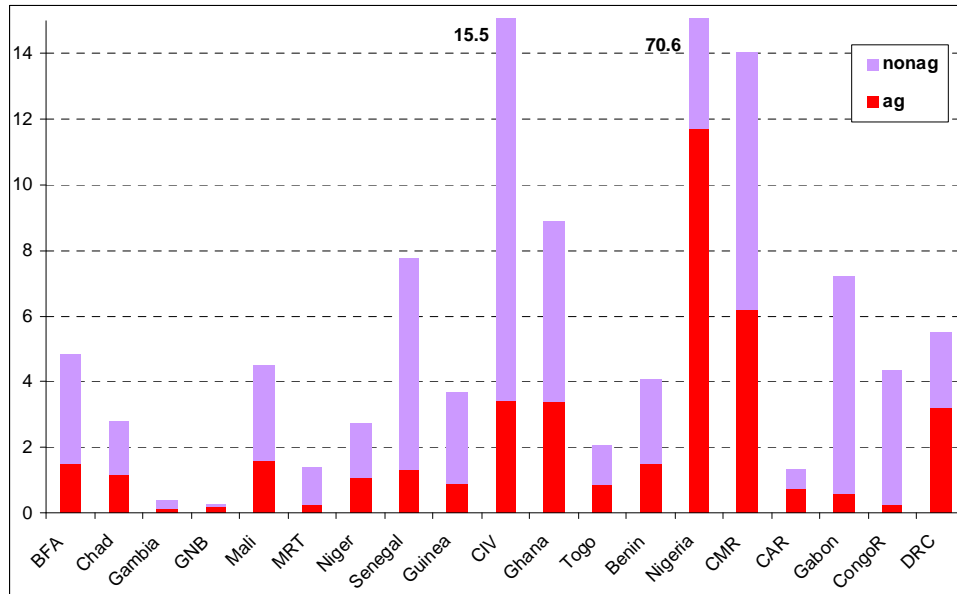


Figure 3.0 Net per capita agricultural production (1961-2005)



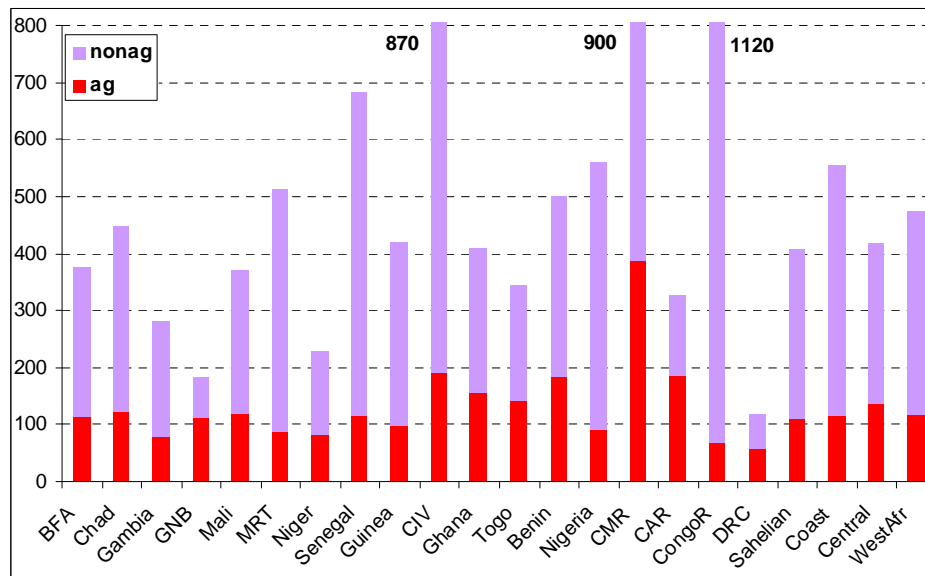
Source: FAOSTAT, 2006

Figure 3.1.1 Total GDP and AgGDP in West Africa (2004, billions \$US)



Source: World Development Indicator (World Bank, 2006).

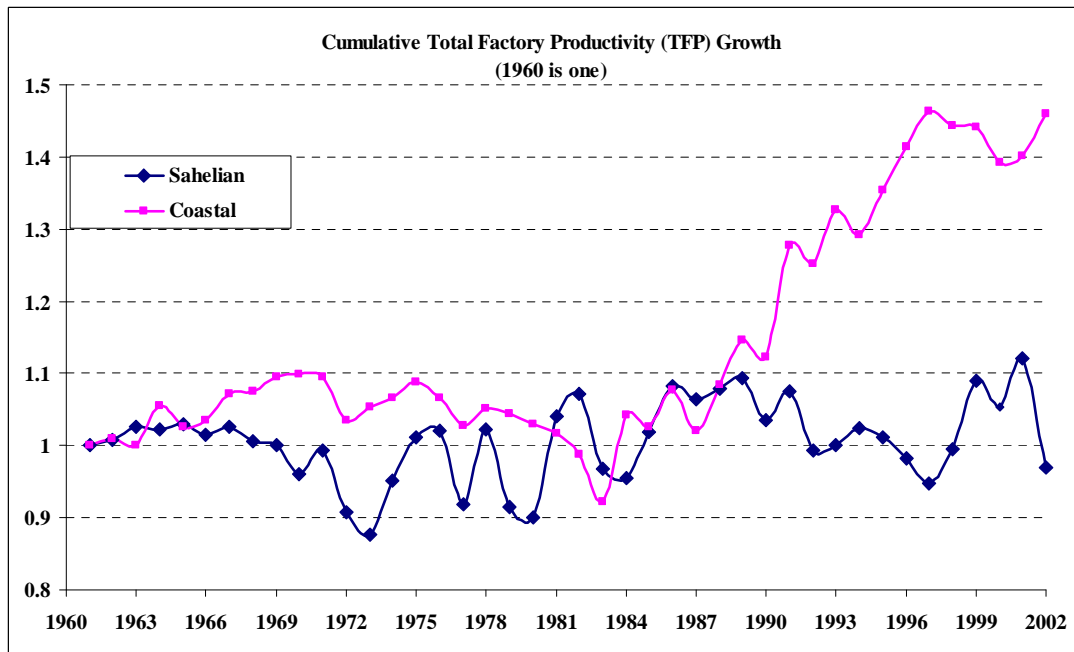
Figure 3.1.2 Per capita GDP and AgGDP in West Africa (2004, \$US)



Source: World Development Indicator (World Bank, 2006)

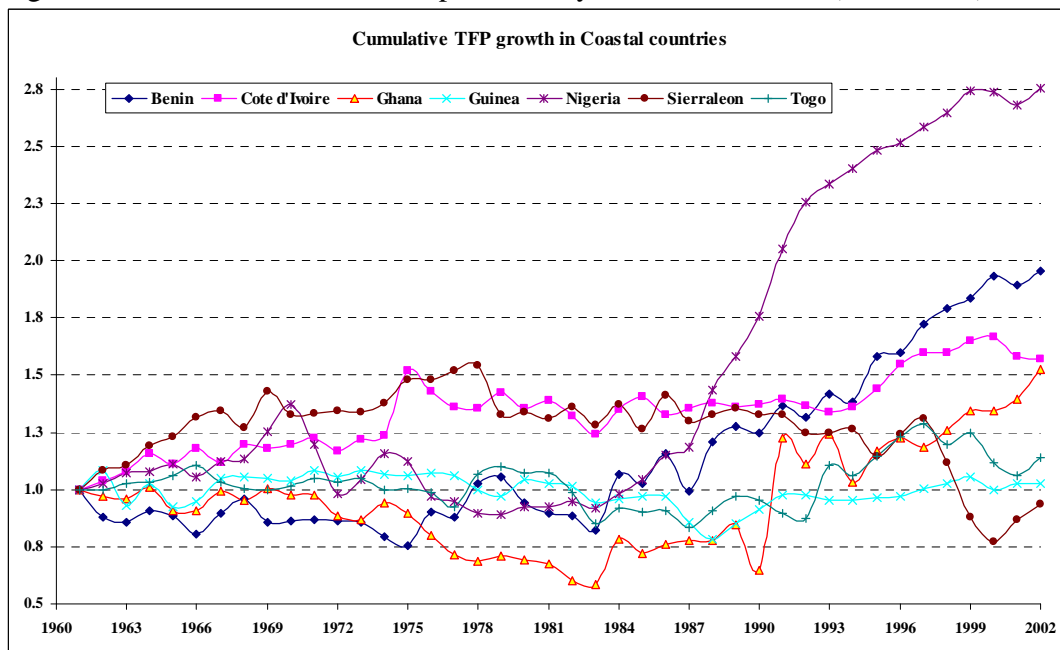
Note: Gabon not included

Figure 3.2.1 Growth in total factor productivity: Sahelian and Coastal regional average (1961-2002)



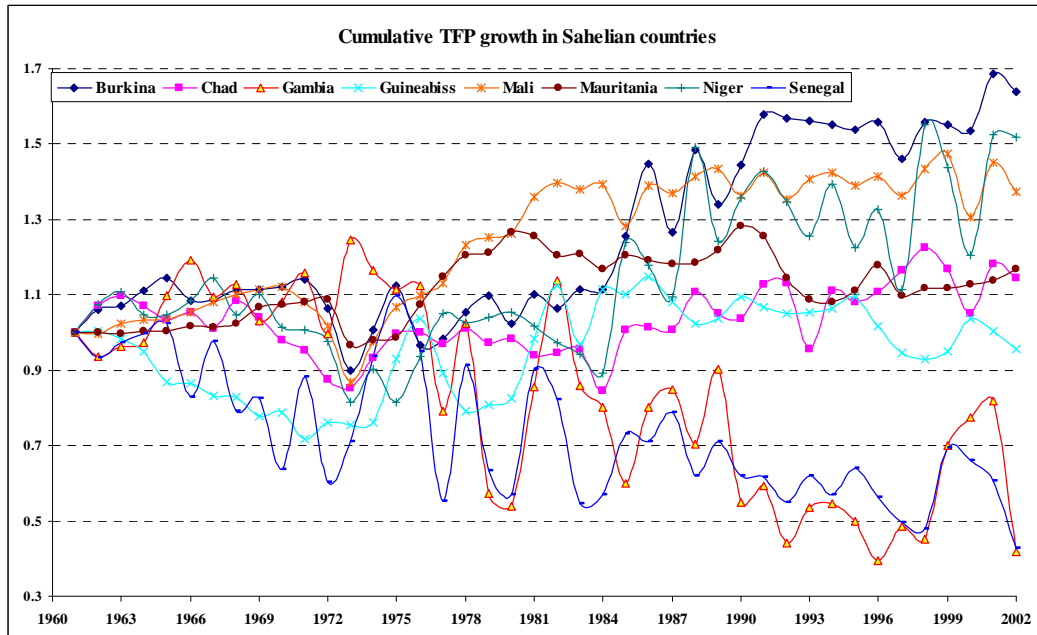
Source: Calculated based on FAO data

Figure 3.2.2 Growth in total factor productivity: Coastal countries (1961-2002)



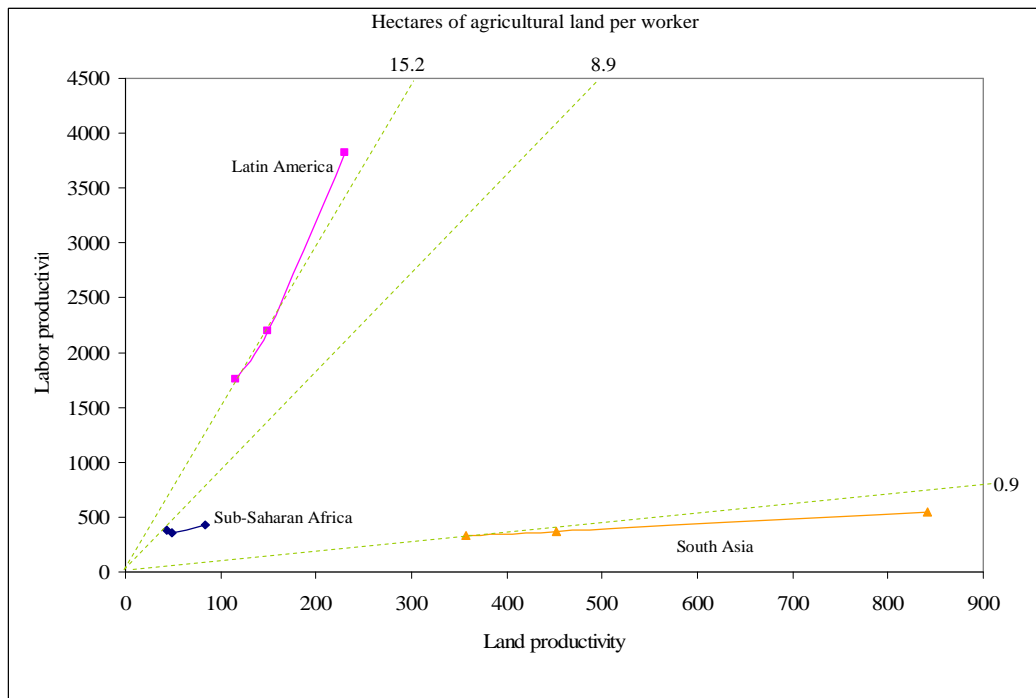
Source: Calculated based on FAO data

Figure 3.2.3 Growth in total factor productivity: Sahelian countries (1961-2002)



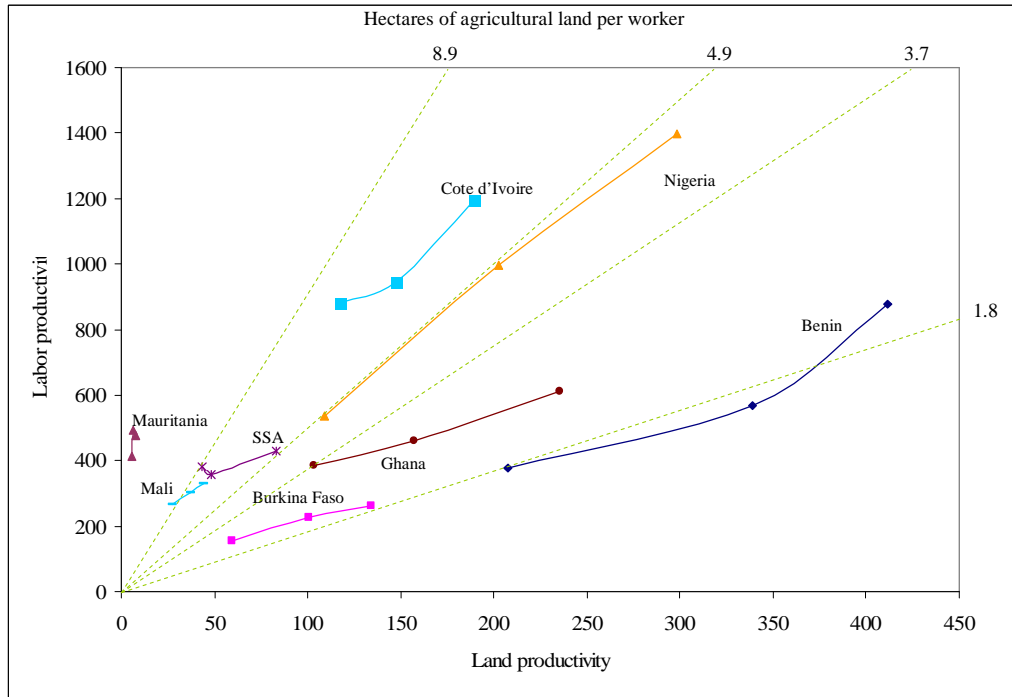
Source: Calculated based on FAO data

Figure 3.2.4 Comparison of land and labor productivities in Sub-Saharan Africa, Latin America and South Asia (1980, 1990 and 2002)



Source: Calculated based on FAO data

Figure 3.2.5 Comparison of land and labor productivities in selected West African countries (1980, 1990 and 2002)



Source: Calculated based on FAO data

Figure 3.4.1 Average and marginal budget shares for selected agricultural commodities in Mali, Ghana and Senegal (should this figure be moved to Annex B?)

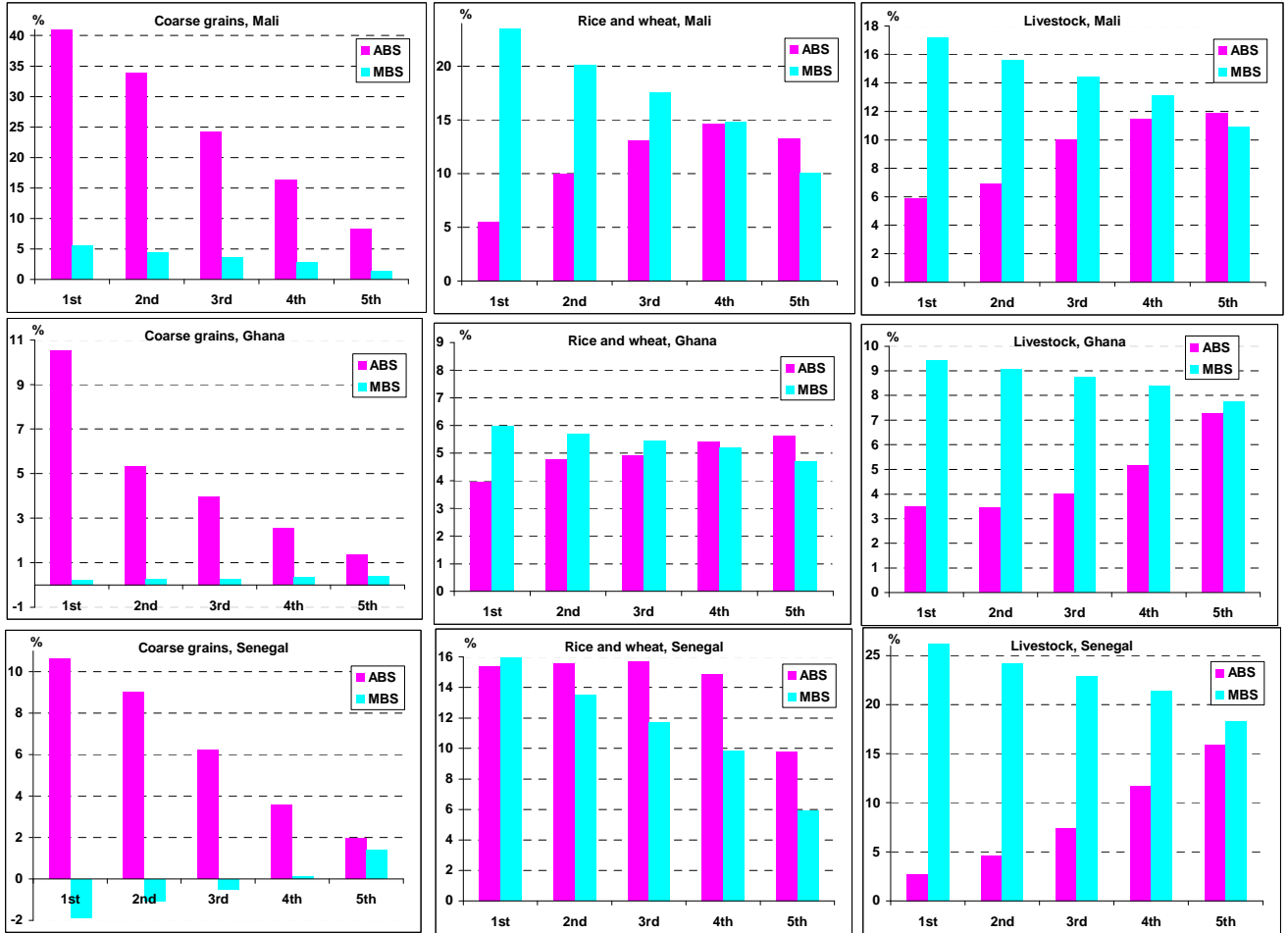


Figure 4.1.1 Population densities in West and Central Africa

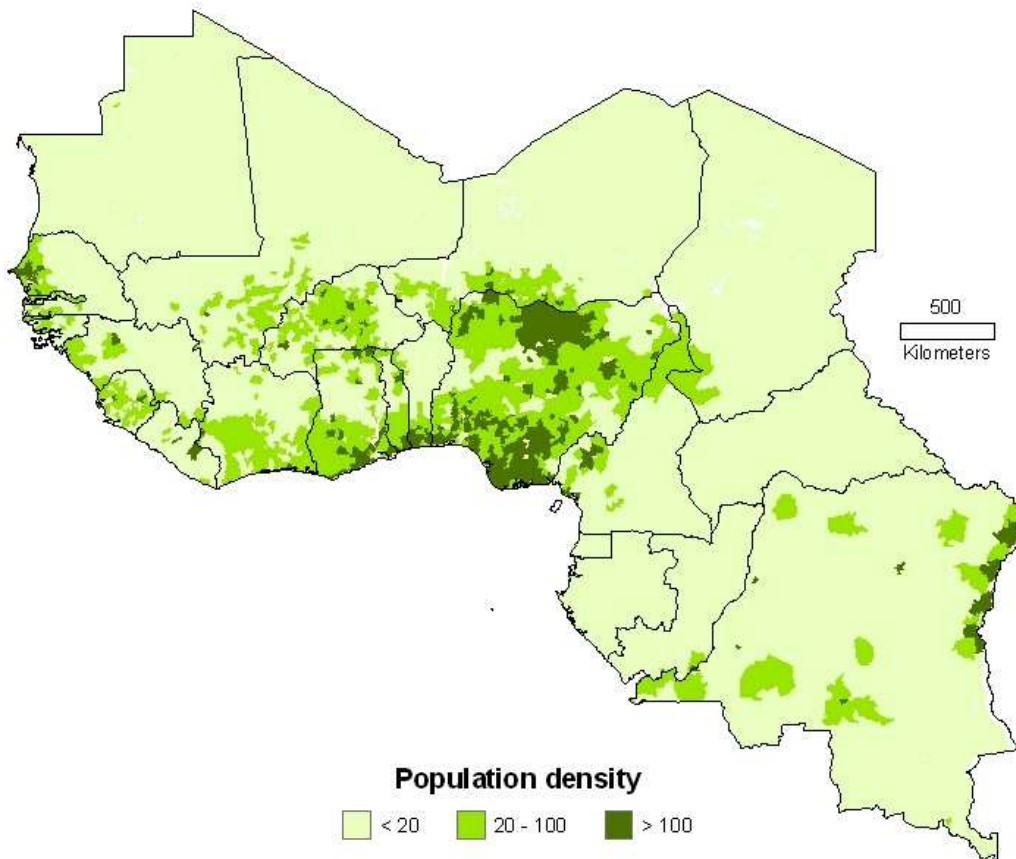


Figure 4.1.2 Distribution of agricultural lands in West and Central Africa

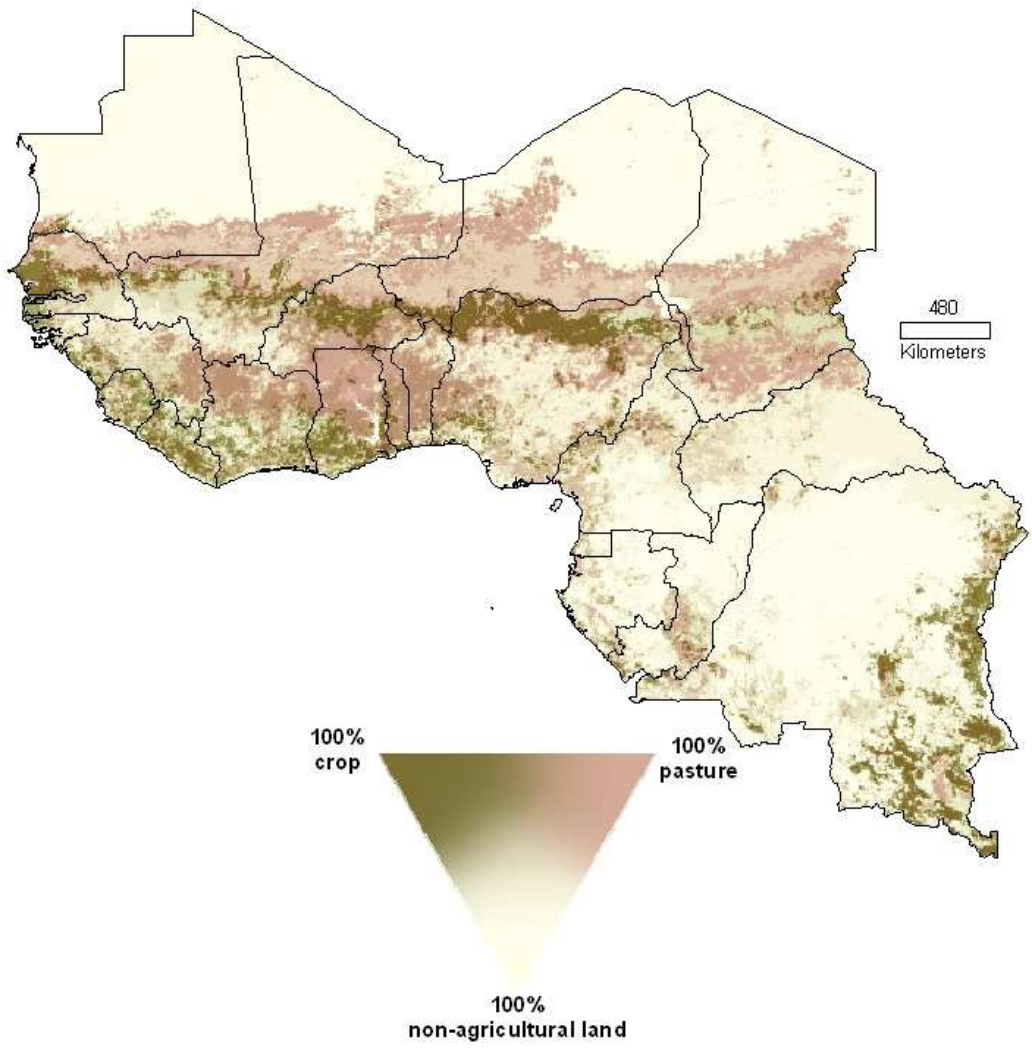


Figure 4.2 Length of growing period in West and Central Africa

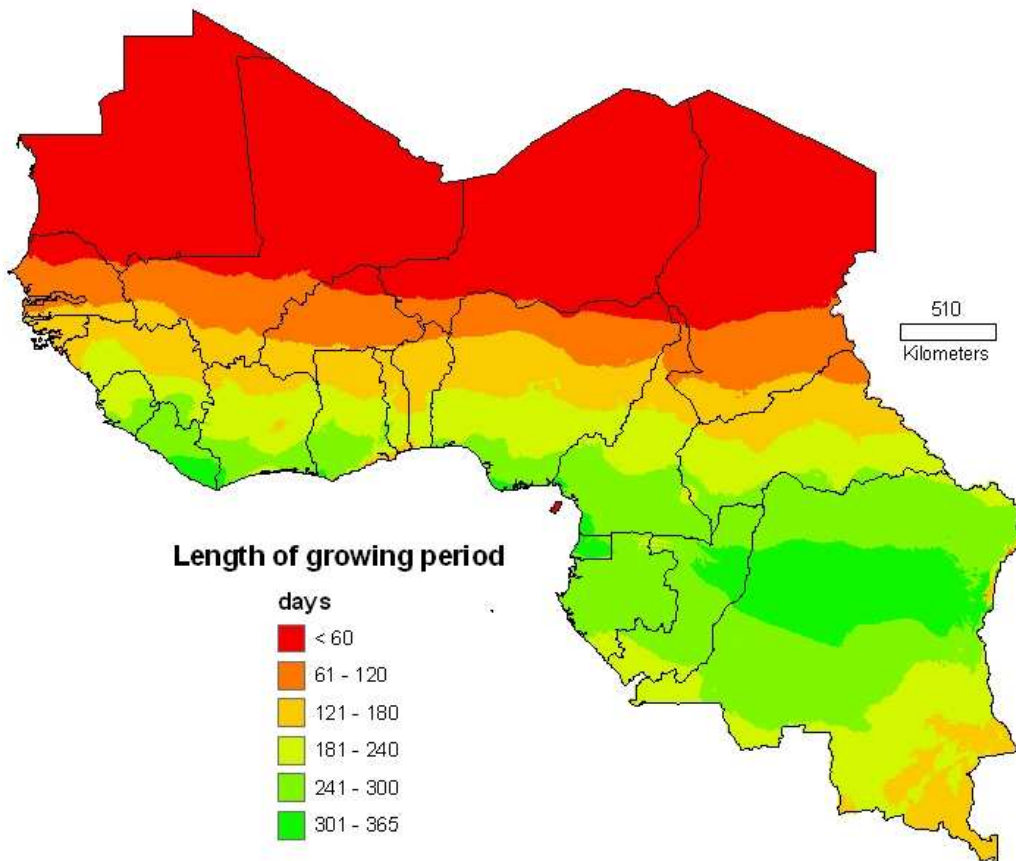


Figure 4.3.1 Market access in West and Central Africa

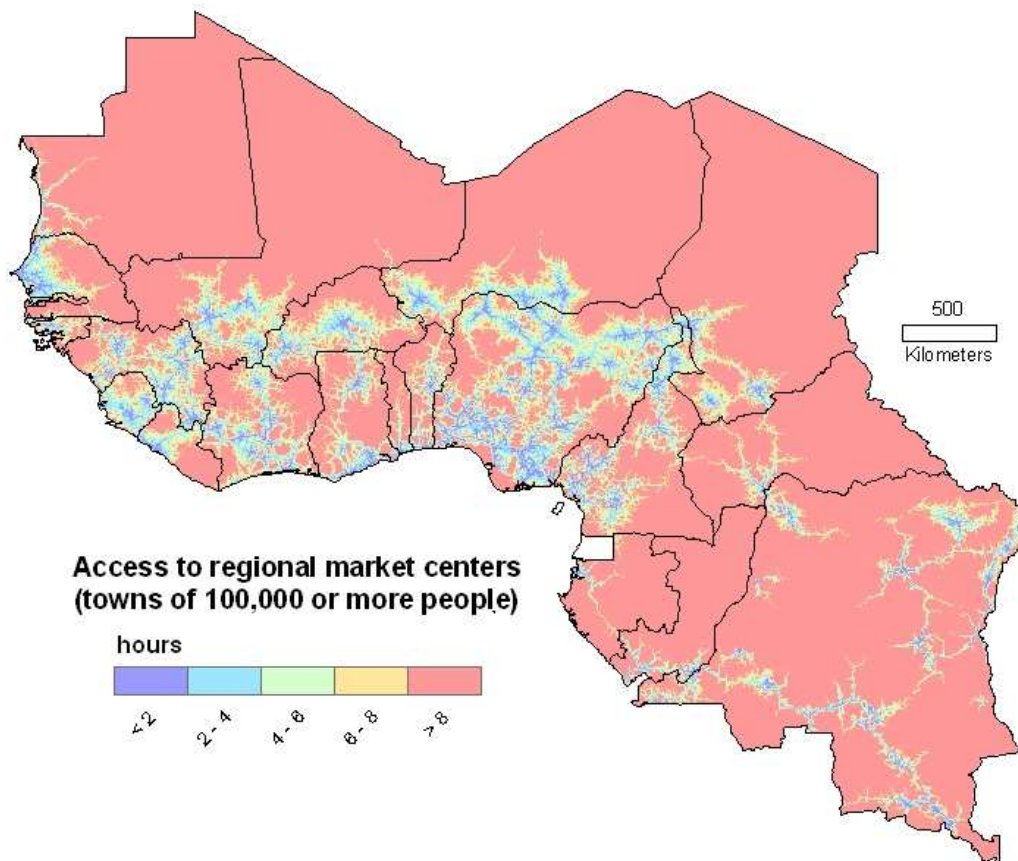


Figure 4.3.2 Market access in West and Central Africa

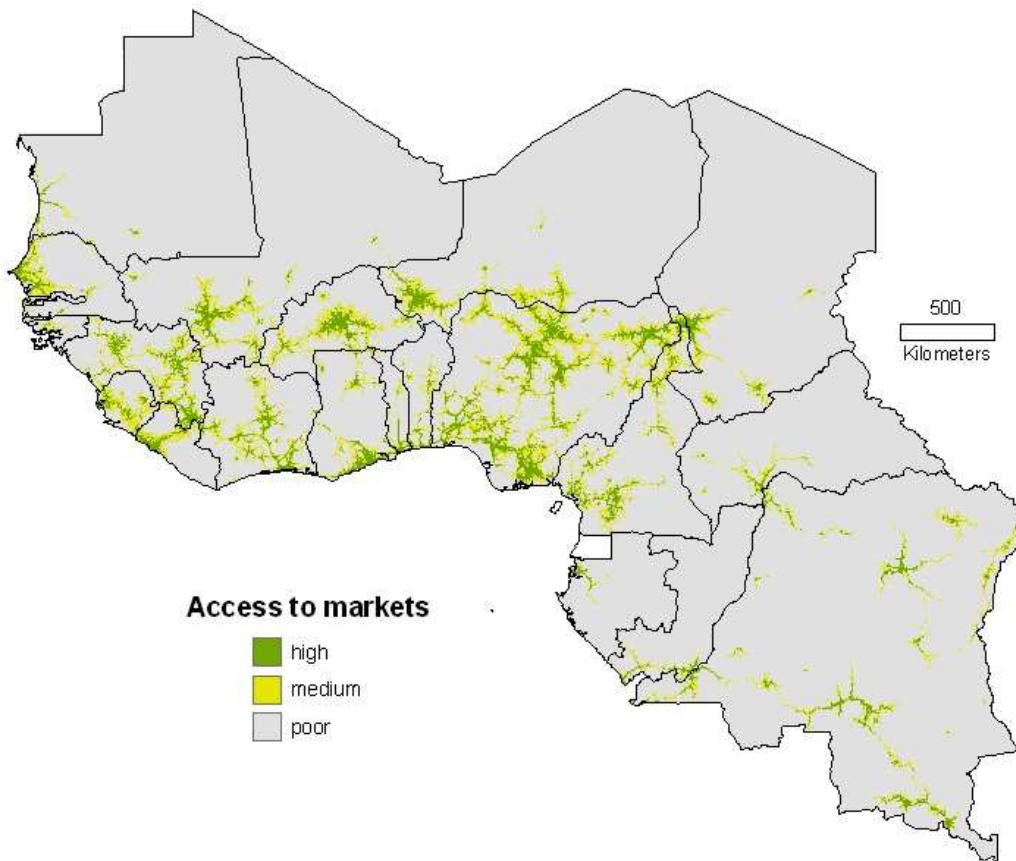


Figure 4.4 Development domains for West and Central Africa

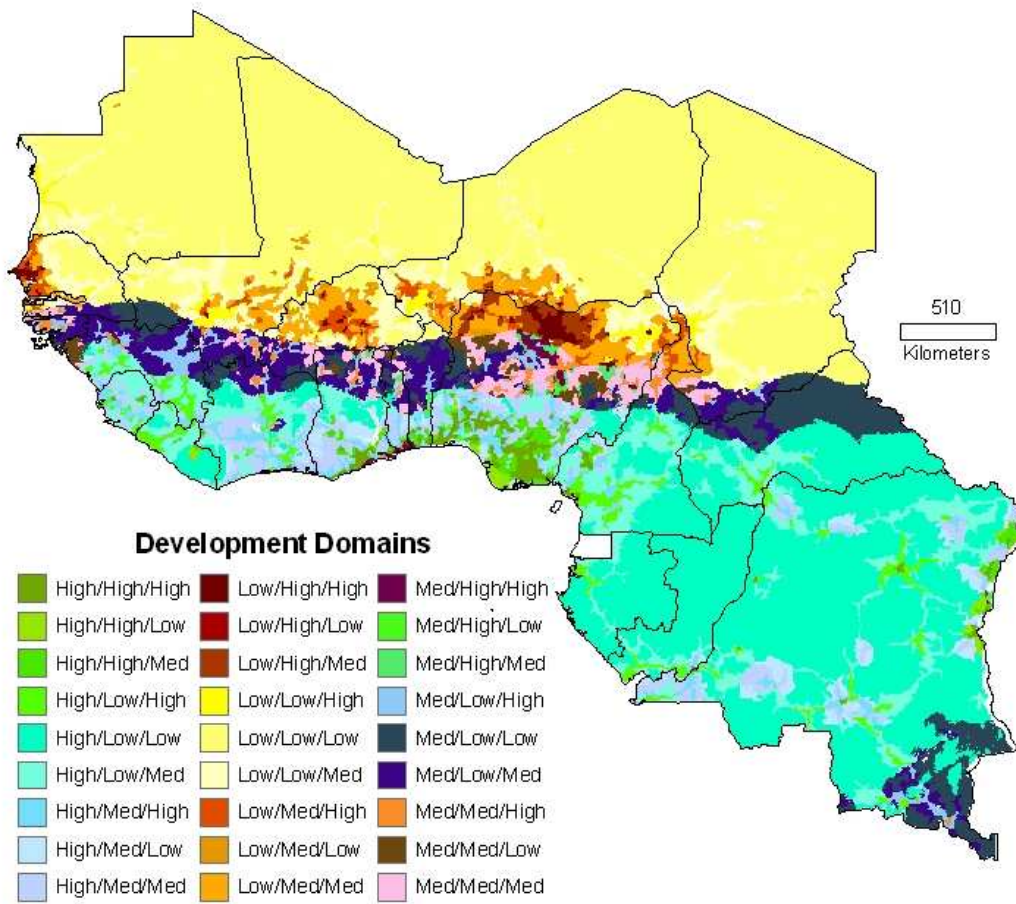
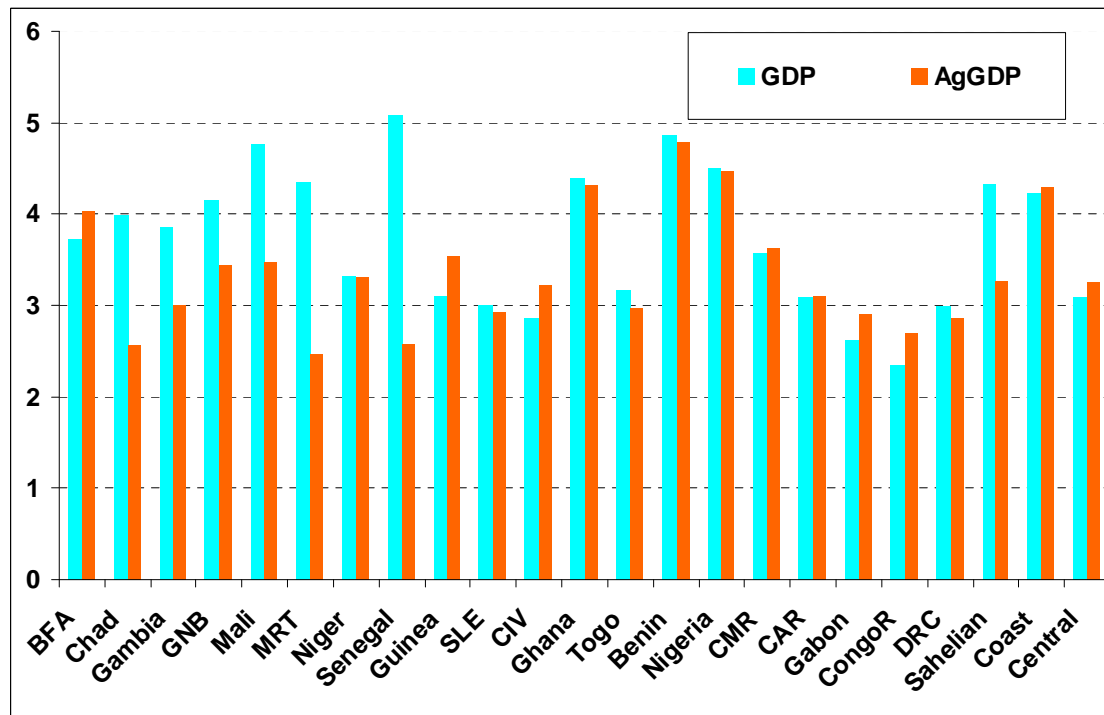
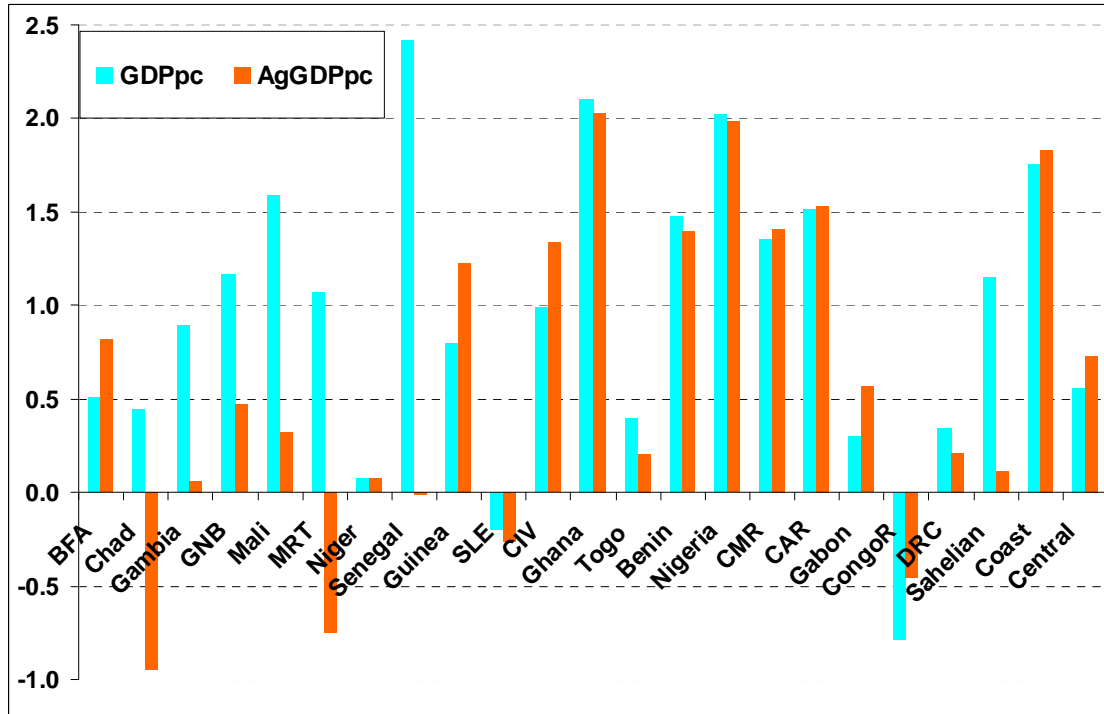


Figure 5.1.1 Projected AgGDP and overall economic growth in the base-run
(2006-2015 average)



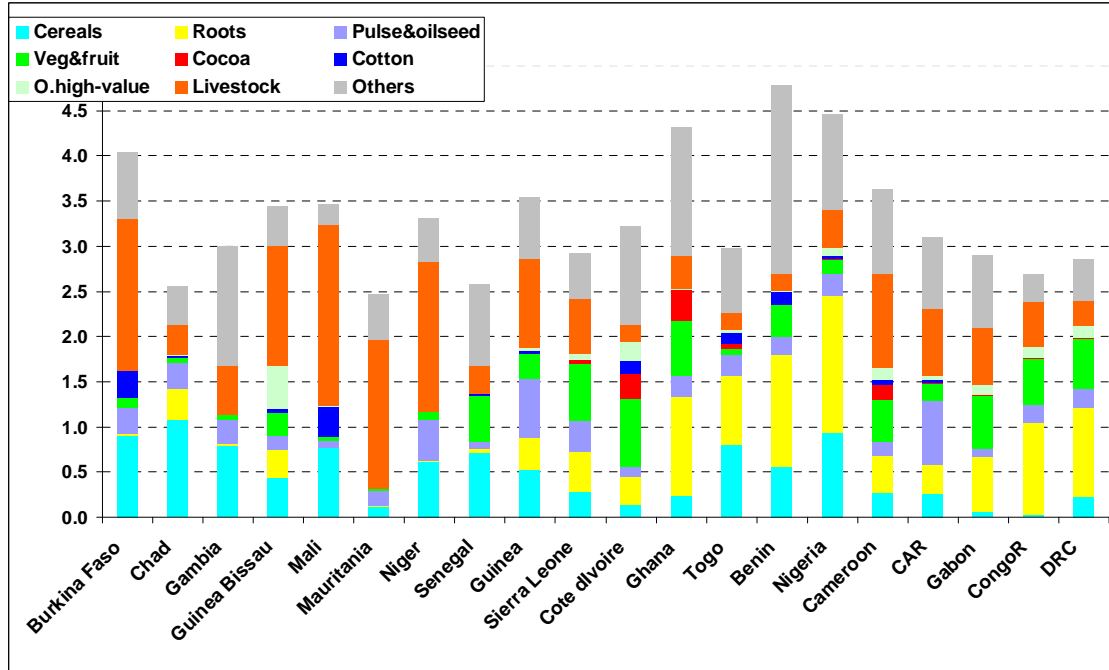
Source: EMM model simulation results

Figure 5.1.2 Projected per capita AgGDP and GDP growth in the base-run
(2006-2015 average)



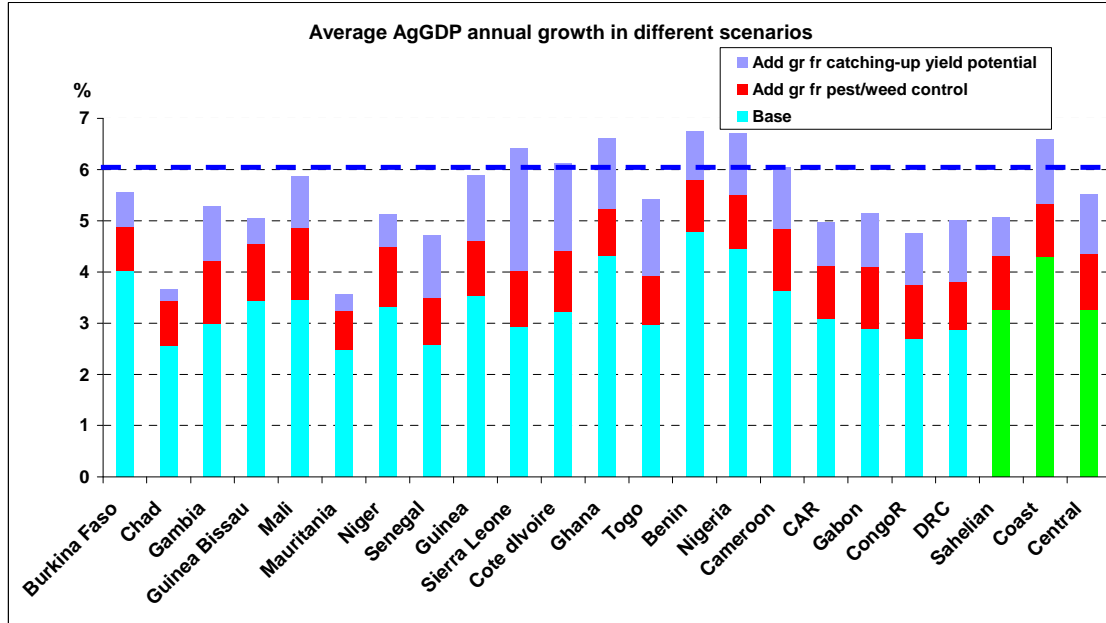
Source: EMM model simulation results

Figure 5.1.3 Sub-sector's contribution to AgGDP growth rate in the base-run
(2006-2015 average)



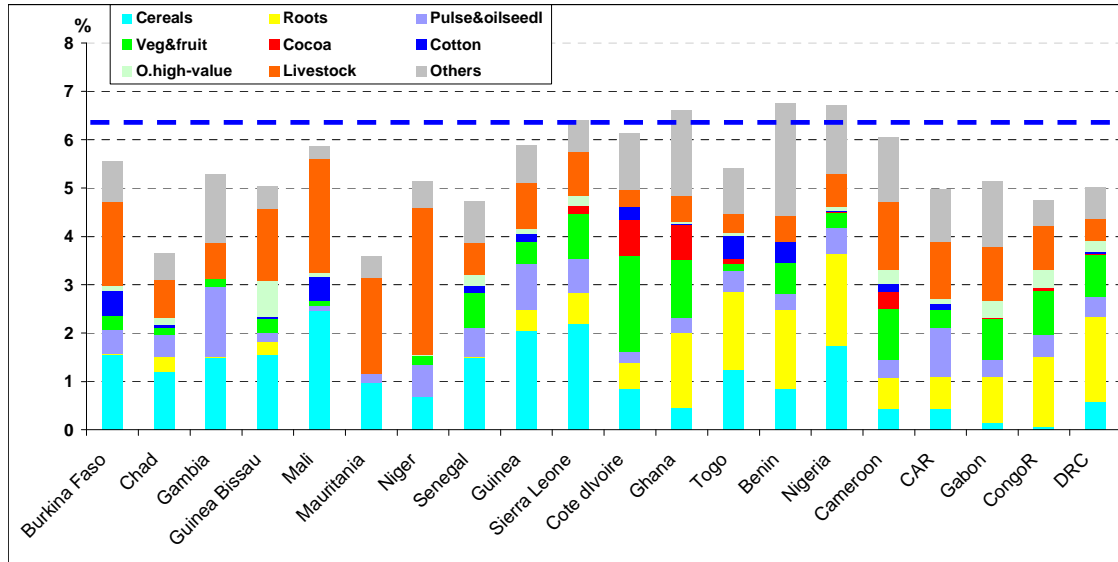
Source: EMM model simulation results

Figure 5.2.1 Six percent of AgGDP growth is reachable for most West African countries
 (% AgGDP annual growth rate, 2006-2015 average)



Source: EMM model simulation results

Figure 5.2.2 Sub-sector's contribution to AgGDP growth rate in the catch-up potential yield scenario (2006-2015 average)



Source: EMM model simulation results

Figure 5.3.1 Technology adoption profile in development domains

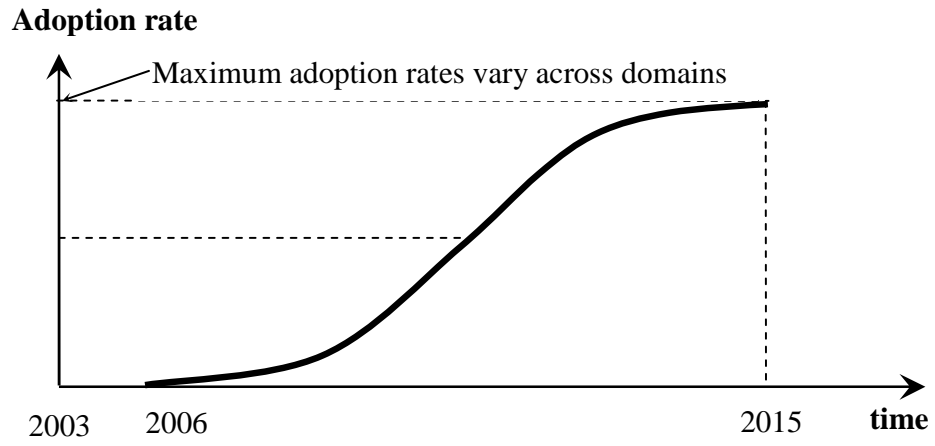
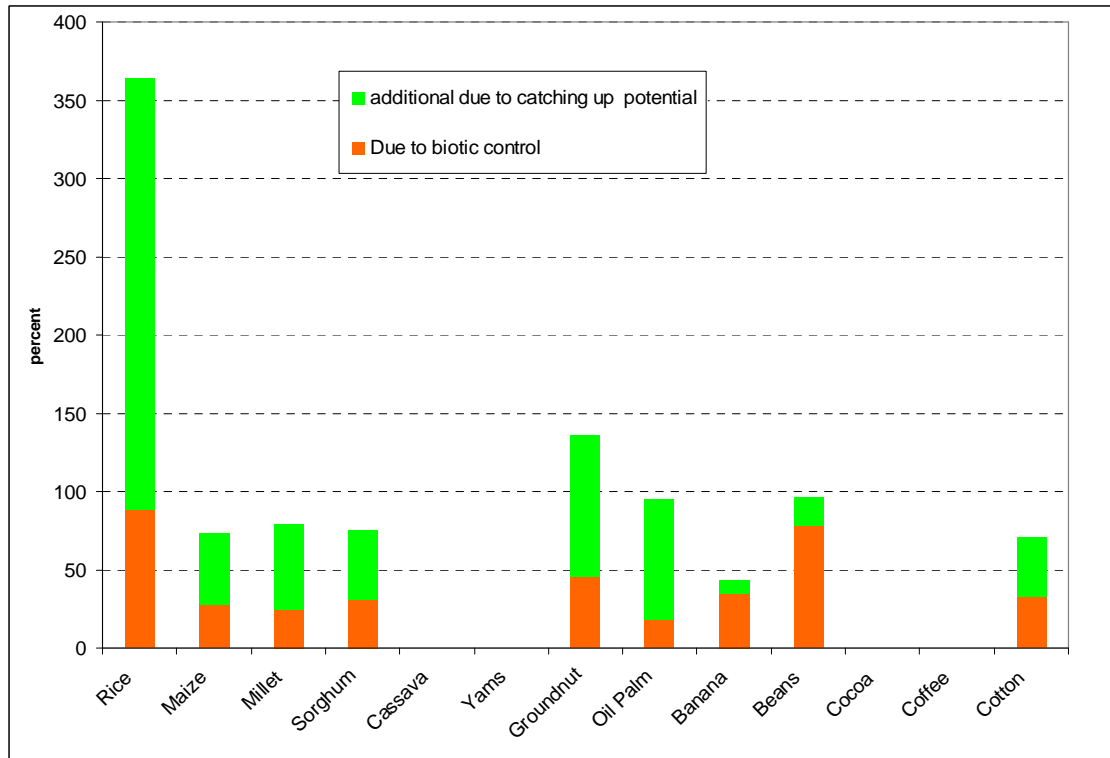


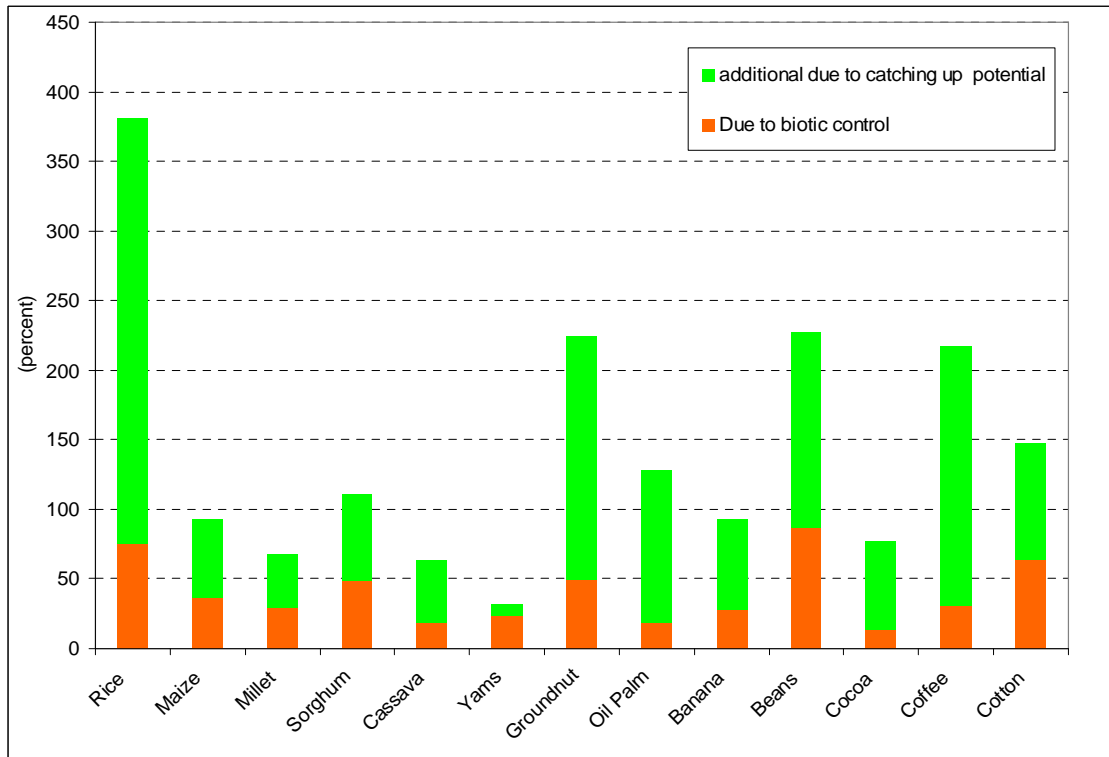
Figure 5.3.2 Producer benefits relative to base year value of production

(a) Sahelian



Source: DREAM model results

(b) Coastal



(c) Central

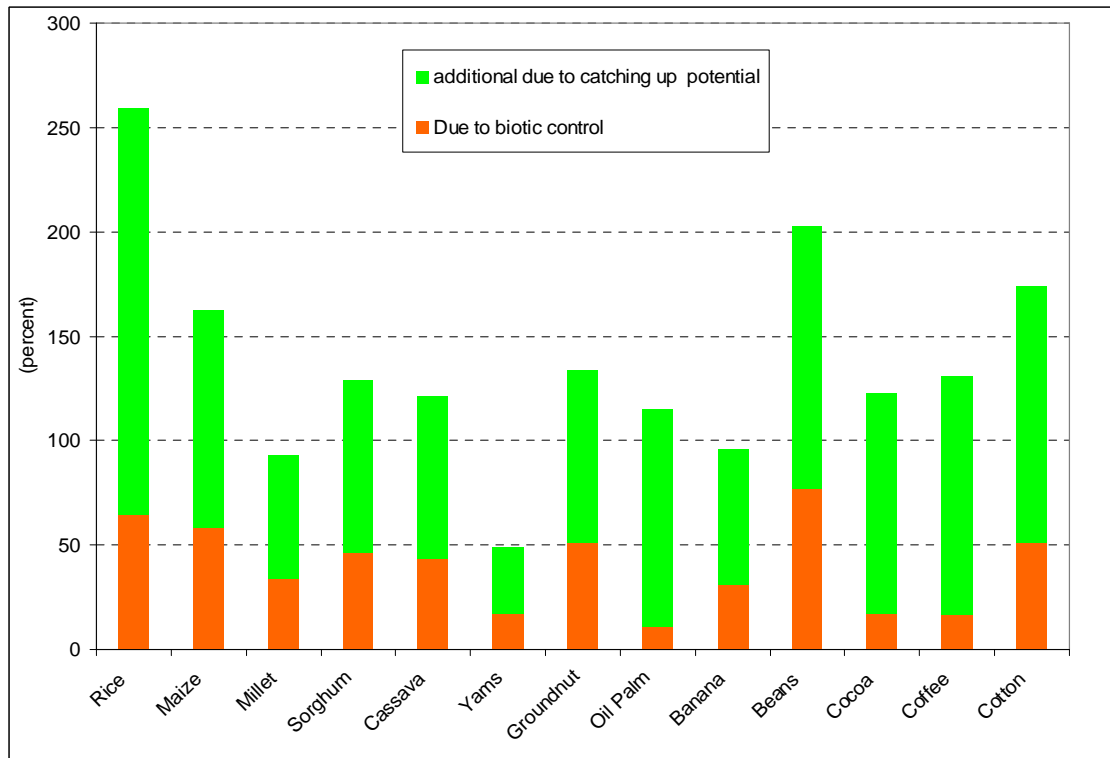
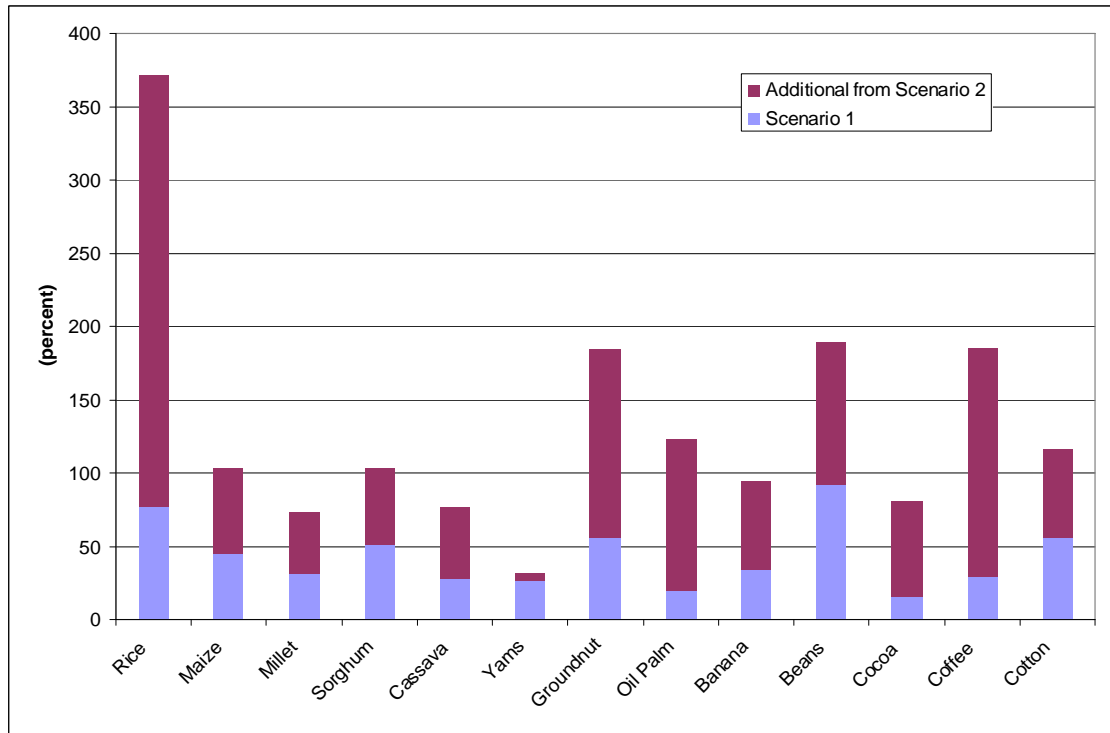
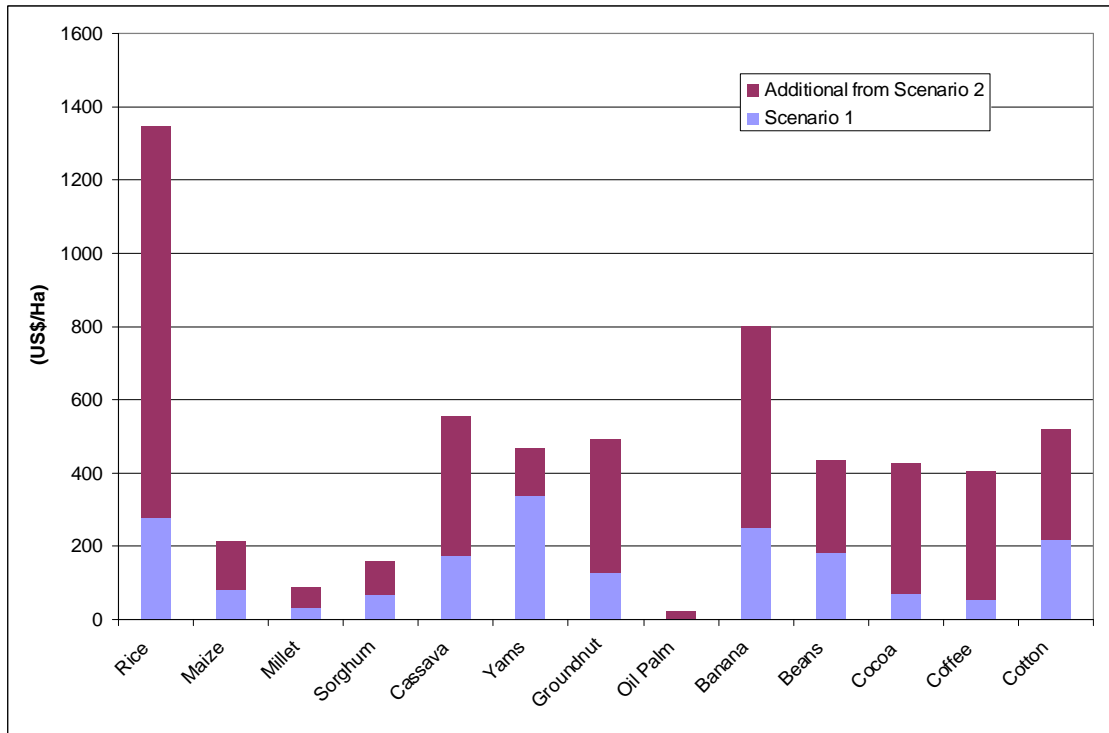


Figure 5.3.3 Producer benefits relative to base year value of production in West Africa



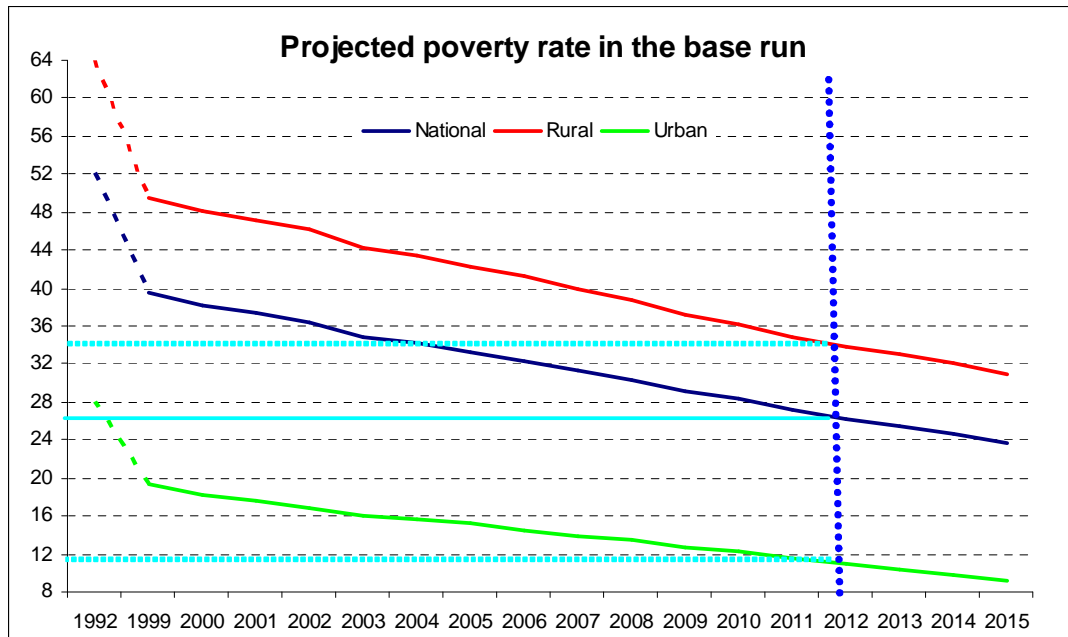
Source: DREAM model results

Figure 5.3.4 Producer benefit per harvested areas in West Africa



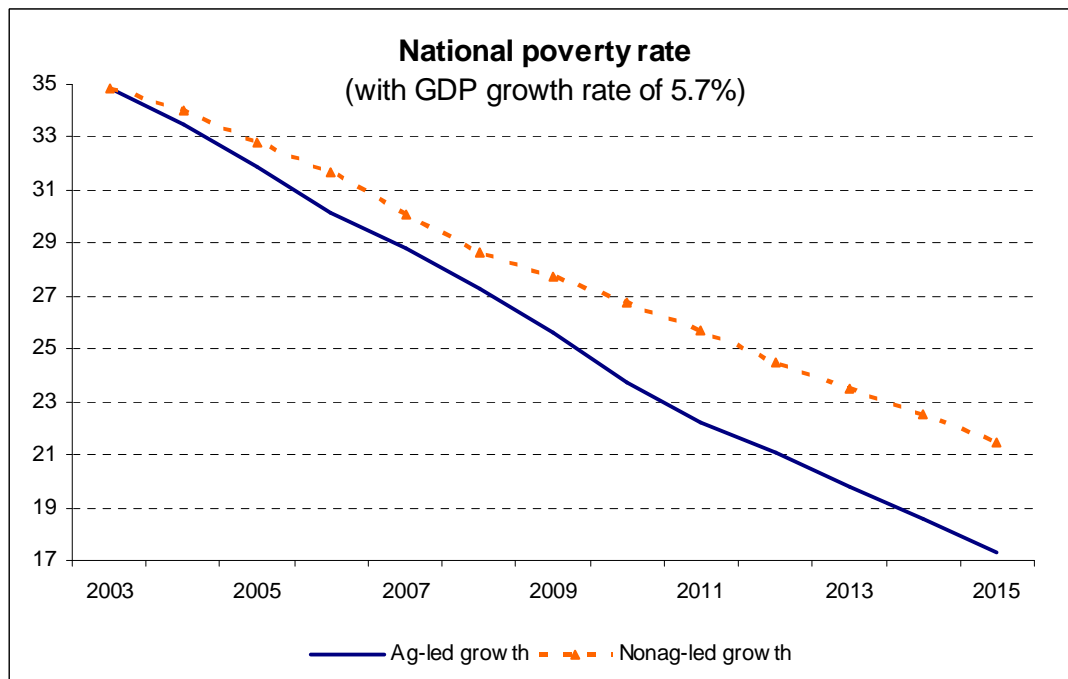
Source: DREAM model results

Figure 5.4.1 Projected poverty rate in Ghana along the business as usual growth path



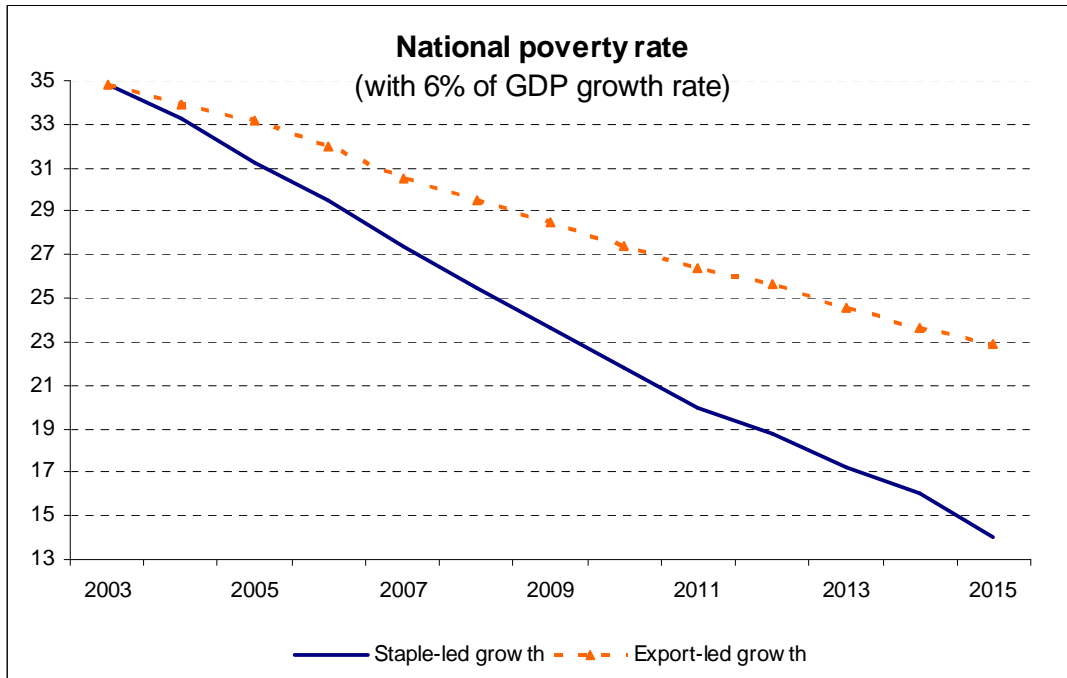
Source: EMM model simulation results

Figure 5.4.2 Agricultural growth is more pro-poor, the case of Ghana



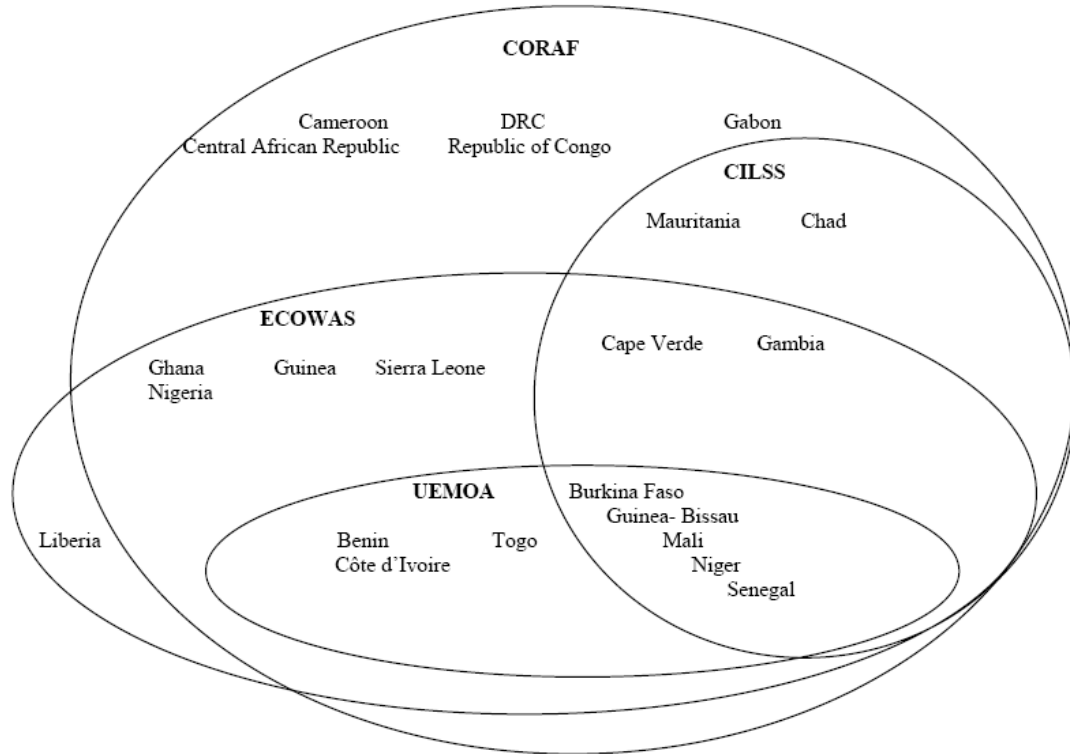
Source: EMM model simulation results

Figure 5.4.3 Broad-based agricultural growth is more pro-poor, the case of Ghana



Source: EMM model simulation results

Figure 6.1 Membership in West Africa's Main Regional Economic and Agricultural Research Organizations



Abbreviations (French acronym in italics):

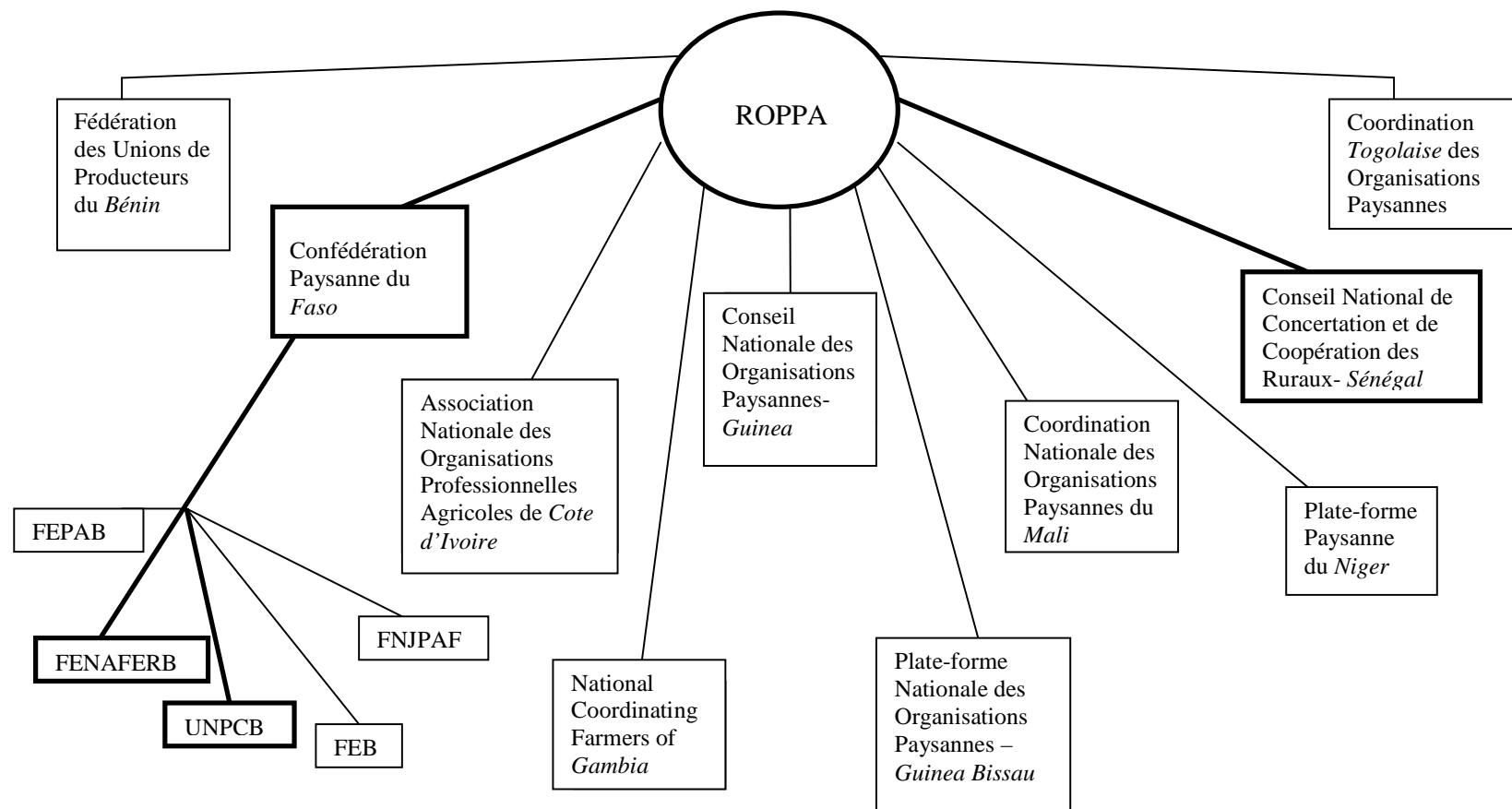
UEMOA / *WAEMU*: West African Economic and Monetary Union

ECOWAS / *CEDEAO*: Economic Community of West African States

CILSS: Comité Inter-Etats pour la Lutte contre la Sécheresse dans le Sahel (Permanent Inter-State Committee on Drought Control)

CORAF / *WECARD*: West and Central African Council for Agricultural Research and Development

Figure 6.2 National Producer Federations that are Members of ROPPA



Source: ROPPA's presentation pamphlet

Note: Figures in bold indicate that members of the given organization were interviewed for this study.

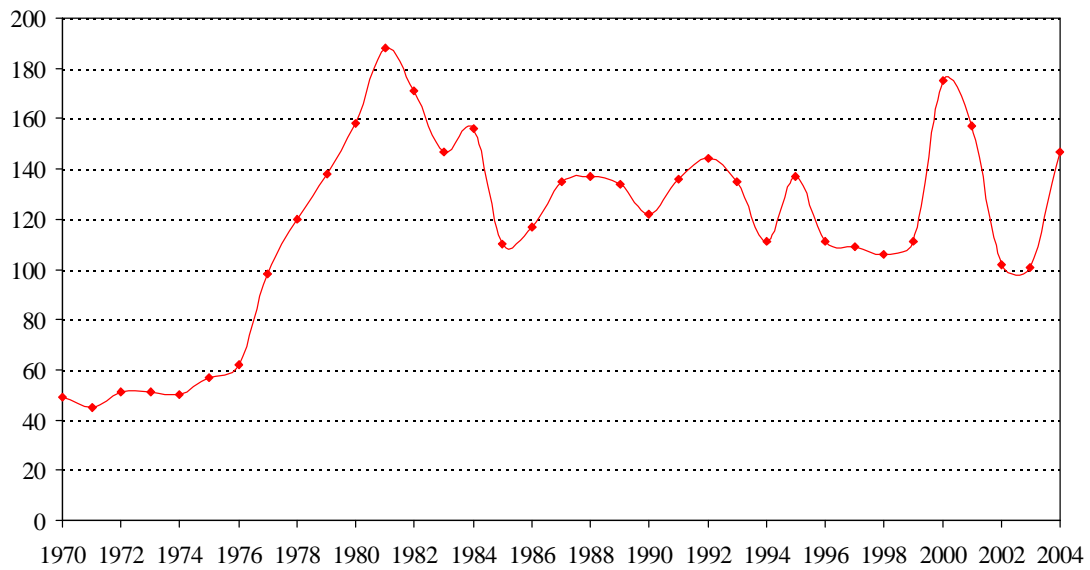


Figure C1. Exports of live animals (cattle, sheep and goats) from Burkina Faso, Mali and Niger (million US\$) [Appendix C]
Source: COMTRADE and FAOSTAT

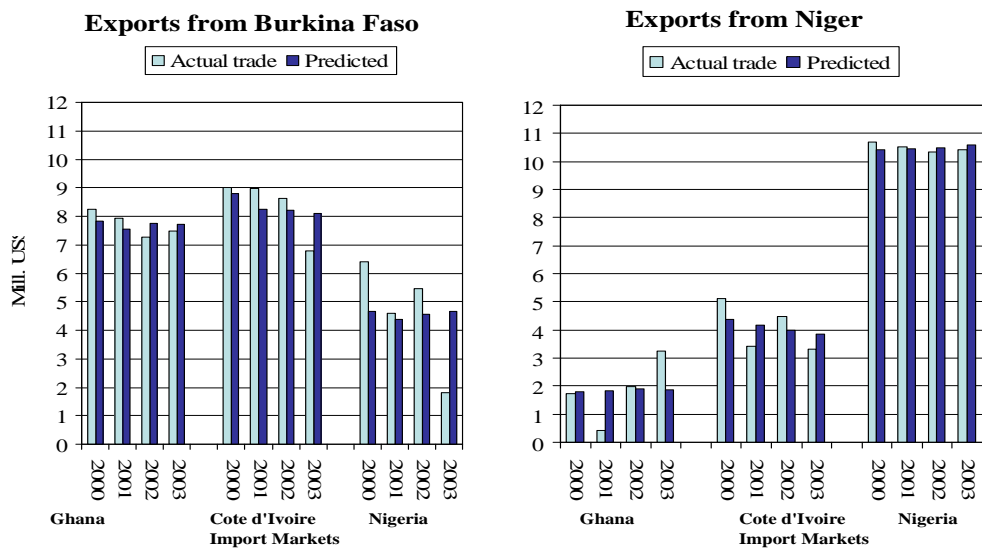


Figure C2. Actual and predicted exports from Burkina Faso and Niger to different import markets in West Africa. (million US\$) [Appendix C]



Figure C3. Estimated coefficient of dummy bilateral value measuring effect of trade barriers and transaction costs on exports from Burkina Faso and Niger to different countries. [Appendix C]

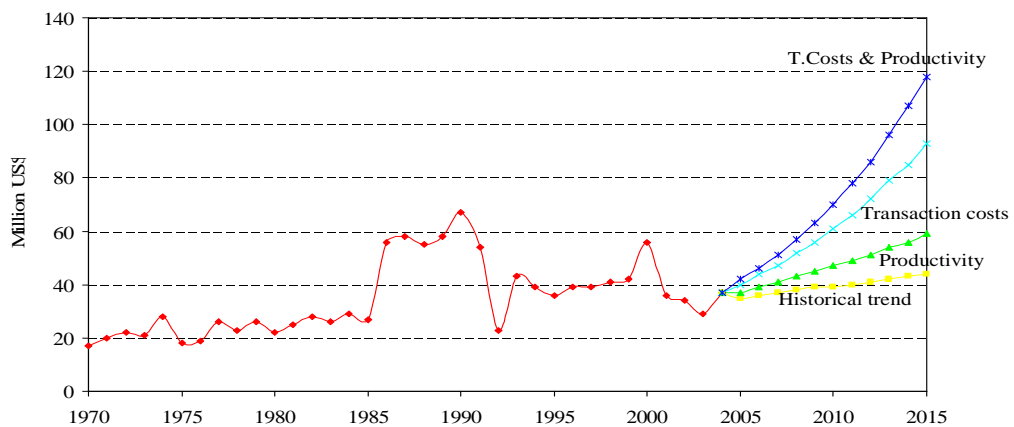


Figure C4. Historical and potential exports from Burkina Faso and Niger under different scenarios 2003-2015 [Appendix C]