

**REPUBLIC OF BULGARIA
NATIONAL STRATEGY PLAN
FOR RURAL DEVELOPMENT**

Annexes

Annex 1 Baseline Indicators

Baseline indicators related to objectives

Priority Axis	Indicator	Measurement	Source	Year	Unit	Value
Horizontal	1. Economic development	GDP(in pps)/capita (EU-25=100)	Eurostat	3-year average 2002 to 2004	index of pps	29.7
	2. Employment rate	Employed persons as a share of total population of the same age class	NSI-Labour Force Survey	2004	%	54.2
	3. Unemployment	% unemployed of total population	NSI-Labour Force Survey	2004	%	12.0
Axis 1 Competitiveness	4. Training and education in agriculture	% farmers with basic and full education attained	MAF	2003	%	2.4
	5. Age structure in agriculture	Ratio: farmers < 35 / >= 55 years old	Eurostat	2003	%	7.8
	6. Labour productivity in agriculture	GVA (in euros) / AWU (EU-25=100)	Eurostat	average 2002-2004	index of euros	12
	7. Gross fixed capital formation in agriculture	GFCF in agriculture	NSI	2004	MEUR	324
	8. Employment in agriculture	Employment in primary sector	NSI	2004	thousand people	803.0
	9. Economic development in agriculture	GVA in primary sector	NSI	2004	MEUR	1835.5
	10. Labour productivity in food industry	GVA/employed in food industry	NSI	2004	EUR per employed	4 036
	11. Economic development in food industry	GVA in food industry	NSI	2004	MEUR	441.6
	12. Gross fixed capital formation in food industry	GFCF in food industry in BGN million	NSI	2004	MEUR	288
	13. Employment in food industry	Employment in food industry	NSI	2004	thousand people	111.3
	14. Labour productivity in forestry	GVA/capita in forestry				n.a.
	15. Gross fixed capital formation in forestry	GFCF in forestry				n.a.
	16. Importance of semi-subsistence farms	Number of farms < 1 ESU	MAF	2003	thousand	508.2

Priority Axis	Indicator	Measurement	Source	Year	Unit	Value	
AXIS 2 Environment	17. Biodiversity: Population of farmland birds	Trends of index of population of farmland birds				n.a.	
	18. Biodiversity: High Nature Value farmland areas	UAA of High Nature Value Farmland areas	European Environment Agency		Million ha	0.4 indicative	
	19. Biodiversity: Tree species composition	% of Forest and Other Wooded Land predominantly coniferous	MCPFE 2003			%	24.2
		Distribution of species group by area of FOWL (% broadleaved)	MCPFE 2003			%	66.2
		Distribution of species group by area of FOWL (% mixed)	MCPFE 2003			%	9.6
	20. Water quality: Gross Nutrient Balances	Nitrogen balance in kg/ha			2004	kg/ha	-89.5
	21. Water quality: Pollution by nitrates and pesticides	Concentration of nitrates in surface waters			2004	mg/l	1.7
		Concentration of nitrates in underground waters			2004	mg/l (mean value)	22.79
		Concentration of pesticides in surface waters			2004	mg/l (mean value)	0.019
		Concentration of pesticides in underground waters			2004	mg/l (mean value)	0.011
	22. Soil: Areas at risk of soil erosion	Areas at risk of soil erosion (classes of T/ha/year)			2004	T/ha/year	0.56
	23. Soil: Organic farming	UAA under organic farming			2004	%	0.2
	24. Climate change: Production of renewable energy from agriculture and forestry	Production of renewable energy from agriculture (kToe)	EurObserEr		2004	kToe	0.0
		Production of renewable energy from forestry (kToe)	Eurostat		2003	kToe	691
25. Climate change: UAA devoted to renewable energy	UAA devoted to energy and biomass crops	DG AGRI		2004	1000 ha	n.a.	
26. Climate change: GHG emissions from agriculture	Agricultural emissions of GHG	Eurostat		2003	1000 t of CO ₂ equivalent	4 578.6	

Priority Axis	Indicator	Measurement	Source	Year	Unit	Value
AXIS 3 Wider rural development	27. Farmers with other gainful activity	% of holders with other gainful activity	MAF	2003	%	BG 25.3 PR 26.0 IR 22.7 PU 25.4
	28. Employment development of non-agricultural sector	Employment in secondary and tertiary sectors	Eurostat	2002	%	BG 74.2 PR 67.0 IR 73.2 PU 97.6
	29. Economic development of non-agricultural sectors	GVA in secondary and tertiary sectors	NSI	2004	MEUR	BG 15 124 PR 6 683 IR 3 422 PR+IR 10 105 PU 5 019
	30. Self-employment development	Self-employed persons	NSI–Labour Force Survey	2004	thousand (NUTS 2 Level)	BG 382 PR 275 IR 107
	31. Tourism infrastructure in rural area	Number of bed places / in hotels, camps, etc./	NSI	2004	thousand	BG 189.8 PR 114.8 IR 64.9 PR+IR 179.7 PU 10.2
	32. Internet take-up in rural areas	% population having subscribed to DSL Internet				n.a.
	33. Development of services sector	% GVA in services	NSI	2004	%	BG 59.3% PR 51.0% IR 58.3% PR+IR 53.3% PU 73.4%
	34. Net migration	Net migration rate	NSI	2004	rate per 1000	BG 0 PR -3.6 IR -0.1 PU +13.6
	35. Life-long learning in rural areas	% of 25-64 y.o. participating in education and training	NSI–Labour Force Survey	2004	% (NUTS 2 Level)	BG 1.3 PR 0.9 IR 2.3
	LEADER	36. Development of local action groups	Share of population covered by LAGs			

Baseline indicators related to context

Priority Axis	Indicator	Measurement	Source	Year	Unit	Value
Horizontal	1. Designation of rural areas	% of country territory	NSI	2004	%	PR 76.5
						IR 22.3
						PU 1.2
	2. Importance of rural areas	% population in rural areas	NSI	2004	%	PR 58.0
						IR 26.3
						PU 15.7
		% GVA in rural areas	NSI	2004	%	PR 47.5
						IR 22.8
PU 29.8						
	% employment in rural areas	NSI - Labour Force Survey	2004	%	PR 55.6	
					IR 26.2	
					PU 18.3	
AXIS 1 Competitiveness	3. Agricultural land use	% arable area	Eurostat	2003	%	92.1
		% permanent grass area	Eurostat	2003	%	3.7
		% permanent crops area	Eurostat	2003	%	3.5
	4. Farm structure	Number of farms	MAF	2003	abs. n°	665 550
		Utilized Agricultural Area	MAF	2003	ha	2 904 480
		Average area farm size	MAF	2003	ha	4.4
		% of holdings with less than 5 ha UAA	MAF	2003	%	96.8
		% of holdings with 5 ha to less than 50 ha UAA	MAF	2003	%	2.4
		% of holdings with 50 ha UAA or more	MAF	2003	%	0.8
		Average economic farm size	MAF	2003	ESU	1.6
		% of holdings with less than 2 ESU	MAF	2003	%	92.4
		% of holdings with 2 ESU to less than 100 ESU	MAF	2003	%	7.2
		% of holdings with 100 ESU or more	MAF	2003	%	0.3
		Labour Force	MAF	2003	AWU	791 563
	5. Forestry structure	Area of Forest Available for Wood Supply (FAWS)	Eurostat	2004	1000 ha	3 124
		% of FAWS owned by public institutions other than State	MAF, NFB	2004	%	14.5
		% of FAWS under private ownership	MAF, NFB	2004	%	15.7
		Average size of private holding of FOWL	MCPFE 2003	2003	ha	-
	6. Forest productivity	Average net annual volume increment on FAWS	MAF, NFB	2004	1000 m ³ overbark / year / ha of FAWS	9 964

Priority Axis	Indicator	Measurement	Source	Year	Unit	Value	
AXIS 2 Environment	7. Land cover	% agricultural area	CLC2000	2000	%	51.7	
		% forest area	CLC2000	2000	%	31.5	
		% natural area	CLC2000	2000	%	11.1	
		% artificial area	CLC2000	2000	%	4.9	
	8. LFA	% UAA non LFA					n.a.
		% UAA in LFA mountain					n.a.
		% UAA in LFA other					n.a.
		% UAA in LFA specific					n.a.
	9. Areas of extensive agriculture	% UAA for extensive arable crop	Eurostat	2003	%	25.8	
		% UAA for extensive grazing	Eurostat	2003	%	5.7	
	10. Natura 2000 area	% territory under Natura 2000 (SCI & SPA)					n.a.
		% UAA under Natura 2000 (SCI)					n.a.
		% forest area under Natura 2000 (SCI)					n.a.
	11. Biodiversity: Protected forest	% FOWL area protected under MCPFE class 1.1	MCPFE 2003	2000/2002	%	1.5	
		% FOWL area protected under MCPFE class 1.2	MCPFE 2003	2000/2002	%	3.1	
		% FOWL area protected under MCPFE class 1.3	MCPFE 2003	2000/2002	%	0.0	
		% FOWL area protected under MCPFE class 2	MCPFE 2003	2000/2002	%	3.0	
	12. Development of forest area	Average annual increase of forest and other wooded land area	FRA 2005	2000-2005	1000 ha/year	34.4	
	13. Forest ecosystem health	% of trees (all species) in defoliation classes 2-4	ICP 2005	2004	% of sampled trees	39.7	
		% of conifers in defoliation classes 2-4	ICP 2005	2004	% of sampled trees	47.1	
% of broadleaved in defoliation classes 2-4		ICP 2005	2004	% of sampled trees	30.1		
14. Water quality	% territory designated as Nitrate Vulnerable Zone	MOEW	2004	% of whole territory	53		
15. Water use	% irrigated 'UAA'	Eurostat (FSS)	2003	%	2.75		
16. Protective forests concerning primarily soil & water	% FOWL area managed primarily for soil & water protection	MCPFE 2003	2000/ 2002	%	13.9		

Priority Axis	Indicator	Measurement	Source	Year	Unit	Value	
AXIS 3 Wider rural development	17. Population density	Population density	NSI	2004	hab./km ²	BG 69.9 PR 53.0 IR 82.3 PU 905.3	
	18. Age structure	% people aged (0-14 y.o.)	NSI	2004	%	BG 15.1 PR 15.8 IR 14.8 PU 13.3	
		% people aged (15-64 y.o.)	NSI	2004	%	BG 61.6 PR 60.4 IR 61.6 PU 66.1	
		% people aged (>=65 y.o.)	NSI	2004	%	BG 23.3 PR 23.8 IR 23.6 PU 20.7	
	19. Structure of the Economy	% GVA in Primary sector	NSI	2004	%	BG 10.8 PR 17.9 IR 11.4 PR+IR 15.2 PU 0.6	
						% GVA in Secondary sector	NSI
		% GVA in Tertiary sector	NSI	2003	%	BG 59.3 PR 51.0 IR 58.3 PR+IR 53.3 PU 73.4	
						% Employment in Primary sector	NSI
		20. Structure of Employment	% Employment in Secondary sector	NSI	2002	%	BG 27.8 PR 29.1 IR 27.6 PU 24.4
			% Employment in Tertiary sector	NSI	2002	%	BG 46.3 PR 37.9 IR 45.7 PU 73.2
	21. Long-term Unemployment		Long-term unemployment as share of active population	Employment agency	2004	%	BG 6.70 PR 8.10 IR 6.96 PU 0.68
	22. Educational attainment	% adults (25-64) with Medium and High educational attainment	NSI - Census	2001	%	BG 69.0 PR 64.0 IR 68.5 PU 89.1	
	23. Internet infrastructure	DSL coverage				n.a.	

Annex 2. Additional Data on Baseline Situation

Annex 2.1 Agricultural Output and Trade

Table 1 Areas, Production and Yields of Cereals, Industrial and Forage Plants (2004)

Cultures	Cropped areas (ha)	Harvested areas (ha)	Production (tones)	Average production (kg/ha)
Wheat	1 044 006	1 039 679	3 961 178	3 810
Rye	8 967	8 521	16 976	1 990
Triticale	9 548	9 521	27 643	2 900
Barley	333 485	328 924	1 180 836	3 590
Oats	43 423	43 002	101 486	2 360
Millet	6 122	5 999	9 840	1 640
Grain maize	385 930	383 217	2 123 022	5 540
Rice	5 699	5 669	28 116	4 960
Sorghum	3 286	3 049	6 402	2 100
Mixed corns	3 678	2 542	7 322	2 880
Sunflower	598 203	592 765	1 078 832	1 820
Rape	13 169	11 250	22 388	1 990
Soya	341	341	640	1 880
Peanuts	942	938	1 322	1 410
Cotton	2 619	2 249	2 587	1 150
Oily rose	2 627	1 745	4 643	2 660
Mellisa officinalis	154	154	241	1 560
Lavender	6 011	3 947	10 497	2 660
Mint	162	155	1 708	11 040
Valerian	45	45	141	3 140
Coriander	77 620	73 960	77 658	1 050
Flax –fibrous	135	125	7 209	160
Hops	273	273	276	1 010
Sugar beet	1 109	1 083	26 367	24 350
Fodder root	484	481	12 133	25 210
Fodder peas	1 943	1 814	4 770	2 630
Vetch	715	713	1 056	1 480
Pumpkins for seeds	8 923	8 820	6 438	730
Maize for silage and green fodder	30 041	29 629	469 326	15 840
Perennials for hey	-	6 404	51 427	8 030
Alfalfa	92 746	79 975	344 691	4 310
Artificial meadows - crops	4 900	1 584	9 329	5 890
Permanent grasslands for haymaking	539 256	94 530	200 403	2 120

Source: Agrostistics Directorate, MAF.

Table 2 Areas and Production of Vegetables (2004)

Vegetables	Open Areas (ha)	Production (tonnes)	
		Total	of which, open air
I. Fruits and vegetables			
Tomatoes	12 266	237 597	201 386
Pepper	10 800	124 907	122 858
Aubergines	1 613	40 097	40 077
Cucumbers and gherkins	3 094	86 560	55 834
Pumpkins	1 164	16 023	15 971
Melons	6 129	100 176	99 833
Watermelons	2 414	27 356	27 321
Sweet corn	319	1 537	1 537
Others	1 029	18 140	18 109
II. Leguminous			
String beans	1 738	14 489	14 409
Peas	1 050	3 266	3 266
Broad beans	82.3	339	339
Haricot	7 020	8 985	8 985
Lentils	2 569	1 644	1 644
Chick-peas	4 450	3 916	3 916
III. Vegetables	0		
White cabbage	5 128	116 862	116 658
Other vegetables	5 792	77 580	76 361
IV. Root crops and clubs			
Potatoes	30 676	573 179	573 018
Carrots	1 422	33 955	33 950
Onions	3 990	44 553	44 553
Garlic	962	5 483	5 483
Leeks	1 269	19 953	19 950
Seed onions	304	1 905	1 904
Other root crops	1 327	18 215	18 161
V. Strawberries	1 966	11 504	11 499
VI. Cultivated mushrooms	-	1 282	-
VII. Other vegetables	76	.	.
Total	108 650	1 589 503	1 517 022

Source: Agrostistics Directorate, MAF.

Table 3 Production and Yield of Orchard Fruits (2004)

Orchard fruits	Yield areas (ha)	Production (tones)
Apples	4 519	39 393
Pears	336	1 795
Apricots	4 429	18 458
Peaches	3 562	22 484
Plums	10 967	49 165
Cherries	5 071	21 369
Morello cherries	1 546	3 325
Nuts	5 233	4 502
Mulberries	1 048	5 606
Other orchard fruits	1 743	1 176
Total	38 454	167 273

Source: Agrostatistics Directorate, MAF.

Table 4 Areas and Production of Grapes (2004)

Grapes	Total Vineyard Area (ha)	Not Maintained Vineyards (out of holdings)(ha)	Areas of Vineyards in Holdings (ha)		Production (tones)
			Total	Yielded	
Total	129 580	34 029	95 551	85 122	351 468
Wine grapes	(-)	(-)	(-)	79 531	316 149
Dessert grapes	(-)	(-)	(-)	5 591	16 448
Other	(-)	(-)	(-)	(-)	18 871

Source: Agrostatistics Directorate, MAF.

Table 5 Production and Sale of Raw Milk (2004)

Milk Type	Milk Collected for Processing	Direct Sales from Holdings	Used in Holdings	Total Milk Production
Cow milk	774 310	273 155	258 117	1 305 582
Sheep milk	40 538	16 585	56 580	113 703
Goat milk	2 359	1 941	121 434	125 734
Buffalo-cow milk	1 750	3 039	1 246	6 035
Total	818 957	294 720	437 377	1 551 054

Source: Agrostatistics Directorate, MAF.

Table 6 Production of Red Meat at Livestock Breeding Holdings and

Animal Category	Slaughtered Animals (number in 000)			Live Weight (tonnes)			Carcass Weight (tonnes)		
	In livestock holdings	In slaughter- houses	Total	In livestock holdings	In slaughter- houses	Total	In livestock holdings	In slaughter- houses	Total
Calves	118.3	28.7	147.0	24 255.9	9 243.7	33 499.6	11 964.3	4 560.00	16 524.3
Other cattle	61.3	16.6	77.9	24 023.2	6 391.2	30 414.4	11 298.5	3 064.4	14 362.9
Total cattle	179.6	45.3	224.9	48 279.1	15 634.9	63 914.0	23 262.8	7 624.4	30 887.2
Pigs (50kg)	10.5	10.1	20.6	375.1	247.4	622.5	210.4	138.8	349.2
Fattened pigs	281.2	590.7	871.9	32 838.4	59 041.0	91 879.4	24 037.9	43 218.3	67 256.2
Other pigs	83.9	20.5	104.4	12 437.3	2 833.4	15 270.7	8 724.1	1 990.5	10 714.6
Total pigs	375.6	621.3	996.9	45 650.8	62 121.8	107 772.6	32 972.4	45 347.6	78 320.0
Lambs (6 months old)	436.5	723.1	1 159.6	9 736.9	17 564.7	27 301.6	4 677.1	8 437.5	13 114.6
Other sheep	39.2	8.1	47.3	1 815.2	428.9	2 244.1	925.8	218.8	1 144.6
Total sheep	475.7	731.2	1 206.9	11 552.1	17 993.6	29 545.7	5 602.9	8 656.3	14 259.2
Kids (6 months old)	486.1	34.8	520.9	9 077.2	574.4	9 651.6	4 304.6	272.4	4 577.0
Other goats	84.2	2.1	86.3	3 221.6	92.0	3 313.6	1 586.0	45.3	1 631.3
Total goats	570.3	36.9	607.2	12 298.8	666.4	12 965.2	5 890.6	317.7	6 208.3
Total	1 601.2	1 434.7	3 035.9	117 780.8	96 416.7	214 197.5	67 728.7	61 946.0	129 674.7

Processing Slaughterhouses (2004)

Source: Agrostatistics Directorate, MAF.

Table 7 Production of White Meat at Livestock Breeding Holdings and Processing Slaughterhouses (2004)

Meat Type	Slaughtered (number in 000)			Live Weight (tonnes)			Meat Production (tonnes)		
	In livestock holdings	In slaughter- houses	Total	In livestock holdings	In slaughter- houses	Total	In livestock holdings	In slaughter- houses	Total
Hens and chickens	8 551	35 907	44 458	19 045	71 183	90 228	15 236	51 170	66 407
Turkeys	343	c	c	1 909	c	c	1 566	c	c
Ducks	317	2 809	3 126	913	13 955	14 868	612	8 673	9 285
Geese	173	c	c	633	c	c	430	c	c
Other poultry	11	(-)	(-)	18	(-)	(-)	10	(-)	(-)
Total poultry	9 395	38 781	48 176	22 518	85 436	107 954	17 854	60 056	77 910
Rabbits	(-)	38	(-)	(-)	100	(-)	(-)	64	(-)

Note: c – confidential.

Source: Agrostatistics Directorate, MAF.

Table 8 Eggs Production in 2004 (000)

Type of Eggs	For Hatch	For Consumption	Total
Hens	75 479	1 480 211	1 555 690
Turkeys	167	85	252
Ducks	507	56	563
Geese	8	32	40
Quail	24	535	559
Other	4	16	20
Total	76 189	1 480 935	1 557 124

Source: Agrostistics Directorate, MAF.

Table 9 Share of Agricultural Output Directly Purchased by Food Industry

Agriculture Product	Year	% of output purchased by food industry
Milk *	2004	74%
Meat	2004	
Slaughtered cattle **	2004	18%
Slaughtered animals**	2004	33%
Slaughtered pigs**	2004	62%
Slaughtered poultry**	2004	80%
Wine grapes	2005	93%
Mulberries	2004	66%
Aubergine	2005	66%
Morello cherries	2004	64%
Plums	2004	58%
Sunflower	2004	45%
Cherries	2004	38%
Strawberries	2005	35%
Apricots	2004	32%
Apples	2004	26%
Tomatoes	2005	25%
Pepper	2005	24%
Peaches	2004	22%
Cabbage	2005	11%
Pears	2004	8%
Potatoes	2005	4%
Pumpkins	2005	3%
Cucumbers	2005	2%
Beans	2005	1%

Notes: * The milk for semi-subsistent needs left in the holdings is not included - 437 377 000 litres in 2004.; ** This is the share of slaughtered animals in slaughterhouses, which do not belong to the holdings towards total number of slaughtered animals/poultry (for personal consumption on farms inclusive) together with exported animals/poultry for slaughtering outside Bulgaria.

Source: Analysis of current market situation and prognosis, Marketing Department, Economic Policy Directorate, MAF and Agrostistics Directorate for vegetables and fruits.

Table 10 Foreign Trade with Agriculture Goods - 2000- 2004 (USD million)

Year	2000	2001	2002	2003	2004
Export - FOB	491.6	508.4	716.0	783.2	1 055.0
Import - CIF	352.3	408.1	476.0	598.0	808.0
Balance	139.3	100.3	240.0	185.2	247.0
Export – EU	164.0	195.0	317.6	394.4	484.1
Import – EU	144.0	165.4	196.7	335.4	415.0
Balance	20.0	29.6	120.9	59.0	69.1

Source: NSI.

Table 11 Foreign Trade by Commodity Group (2004)

Code	Commodity Group	Exports 2004		Imports 2004		Balance
		USD (000)	%	USD (000)	%	USD (000)
	Total	9 877 000		14 380 400		-4 503 400
	of which agricultural commodities	1 054 988	100.00	807 984	100.00	247 004
	Section I	182 632	17.31	168 635	20.87	13 997
1	Live animals	22 009	2.10	19 391	2.40	2 618
2	Meat and edible offal	85 384	8.09	90 663	11.22	-5 279
3	Fish and molluscs	8 944	0.85	15 258	1.89	-6 314
4	Milk, dairy products, eggs and honey	63 858	6.05	38 643	4.78	25 215
5	Meat products	2 436	0.23	4 681	0.58	-2 245
	Section II	373 413	35.40	236 125	29.22	137 288
6	Flowers	2 370	0.22	9 456	1.17	-7 086
7	Vegetables, edible tubers	48 546	4.60	27 395	3.39	21 151
8	Fruits and nuts	37 110	3.52	48 932	6.06	-11 822
9	Coffee, tea, spices	16 238	1.54	23 973	2.97	-7 735
10	Cereals	147 648	14.00	72 466	8.97	75 182
11	Milling products, malt, starch	3 056	0.29	22 647	2.80	-19 591
12	Oilseeds and oilcakes	117 183	11.11	25 922	3.21	91 261
13	Vegetable extracts	747	0.07	5 113	0.63	-4 366
14	Fibres	516	0.05	221	0.03	295
	Section III	29 196	2.77	44 401	5.50	-15 205
15	Animal and vegetable fats	29 196	2.77	44 401	5.50	-15 205
	Section IV	469 747	44.53	358 823	44.41	110 924
16	Fish products	11 505	1.09	8 477	1.05	3 028
17	Sugar and confectionery	22 462	2.13	63 610	7.87	-41 148
18	Cocoa and cocoa products	16 687	1.58	38 705	4.79	-22 018
19	Cereal products	64 667	6.13	29 119	3.60	35 548
20	Vegetable and fruit products	65 424	6.20	37 387	4.63	28 037
21	Various food preparations	19 197	1.82	61 022	7.55	-41 825
22	Beverages	89 730	8.51	33 053	4.09	56 677
23	Feed stuffs	36 770	3.49	45 706	5.66	-8 936
24	Tobacco and cigarettes	143 304	13.58	41 744	5.17	101 560

Source: NSI.

Annex 2.2 Structure of Agricultural Holdings

Table 12 Agricultural Holdings by Legal Form and Manager's Agricultural Education (2003)

Legal Statute of the Holdings	Total Holdings		Of which, holdings that the manager has		
			Only practical experience in agriculture	Secondary vocational education	Higher education or postgraduate qualification
	Number	%	% Holdings	% Holdings	% Holdings
Natural persons	658 594	98.96	98	2	0
Sole traders	3 072	0.46	79	12	9
Cooperatives	1 992	0.30	44	22	34
Farming companies	1 518	0.23	55	12	34
Associations	67	0.01	82	9	9
Other	305	0.05	36	7	56
Total	665 548	100	98	2	1

Note: The 2003 Census covered agricultural holding exceeding at least one of the following thresholds: 0.5 ha UAA, 0.3 ha arable land, 0.1 ha of specialized crops – vegetables, tobacco, hops, cotton, aromatic and medicinal plants, seeds, flowers or permanent crops –, 0.05 ha under greenhouse, 0.2 ha permanent grassland or having 1 cow/female buffalo/mare/sow/ reproductive male animal, 2 other bovines/draught animals/breeding goats, 5 pigs/breeding sheep, 50 laying hens, 100 broilers, 10 beehives/10 breeding rabbits.

Source: Agrostistics Directorate, MAF - 2003 Agricultural Census.

Table 13 Agricultural Holdings by Economic Size and UAA (2003)

Economic Size of Holdings (ESU)	Utilized Agricultural Area		Holdings		Average Size UAA (ha)
	ha	% of UAA	number	% of total	
0-0.9	275 130	9.5	508 220	76.4	0.5
1-1.9	148 720	5.1	107 050	16.1	1.4
Total 0-1.9	423 850	14.6	615 270	92.5	0.7
2-3.9	104 030	3.6	32 390	4.9	3.2
4-7.9	80 710	2.8	8 970	1.4	9.0
8-15.9	94 180	3.2	3 390	0.5	27.8
16-39.9	233 130	8.0	2 320	0.4	100.5
40-99.9	523 060	18.0	1 640	0.3	318.9
Total 2-99.9	1 035 110	35.6	48 710	7.3	21.3
100-249.9	839 870	28.9	1 150	0.2	730.3
>=250	605 660	20.9	420	0.1	1442.0
Total >=100	1 445 530	49.8	1 570	0.2	920.7
Total	2 904 490	100.0	665 550	100.0	4.4

Source: Agrostistics Directorate, MAF - 2003 Agricultural Census.

Table 14 Agricultural Holdings by NUTS 2 Region (2003)

Economic Size of Holdings (ESU)	Holdings	UAA	Labour force	UAA peer holding	Average size
	000	ha (000)	000	ha	ESU
North-West region	66.6	275.9	120.8	4.2	1.3
North Central region	100.9	611.5	210.0	6.1	2.0
North-East region	119.6	975.6	260.2	8.2	2.4
South-East region	73.9	414.9	143.0	5.8	1.8
South Central region	191.7	485.3	393.6	2.6	1.4
South-West region	112.9	141.3	220.4	1.3	0.8
Total	665.60	2 904.5	1348.1	4.4	1.6

Source: Agrostistics Directorate, MAF - 2003 Agricultural Census.

Table 15 Specialization of the Agricultural Holdings (2003)

Type of Specialization	Total		Up to 2 ESU		2-100 ESU		Above 100 ESU	
	Holdings	%	Holdings	%	Holdings	%	Holdings	%
Agricultural Holdings								
Field crops	69 541	10.4	57 222	9,3	11 212	23,0	1 107	70,8
Horticulture	21 827	3.3	15 180	2,5	6 563	13,5	84	5,4
Permanent crops	32 965	5.0	31 757	5,2	1 107	2,3	101	6,5
Grazing livestock	117 337	17.6	109 426	17,8	7 908	16,2	3	0,2
Pigs, poultry, rabbits	53 877	8.1	50 501	8,2	3 248	6,7	128	8,2
Mixed cropping	69 528	10.4	62 773	10,2	6 638	13,6	117	7,5
Mixed breeding	191 588	28.8	184 963	30,1	6 623	13,6	2	0,1
Mixed cropping and breeding	106 641	16.0	101 205	16,4	5 414	11,1	22	1,4
Non-classifiable farms	2 244	0.3	2 244	0,4				0,0
Total	665 548	100.0	615 271	100,0	48 713	100,0	1 564	100,0
Standard Gross Margin								
Field crops	495 466,6	38,4	44 839,3	10,3	182 399,6	45,2	268 227,7	59,4
Horticulture	96 731,4	7,5	17 736,7	4,1	53 361,9	13,2	25 632,8	5,7
Permanent crops	66 323,7	5,1	9 362,5	2,1	15 294,7	3,8	41 666,5	9,2
Grazing livestock	112 017,0	8,7	72 531,1	16,6	39 038,0	9,7	447,9	0,1
Pigs, poultry, rabbits	135 133,8	10,5	32 833,2	7,5	29 020,1	7,2	73 280,5	16,2
Mixed cropping	122 075,9	9,5	53 495,5	12,3	33 977,1	8,4	34 603,3	7,7
Mixed breeding	156 833,8	12,1	130 985,2	30,0	25 592,7	6,3	255,9	0,1
Mixed cropping and breeding	106 610,8	8,3	74 798,9	17,1	24 475,3	6,1	7 336,6	1,6
Non-classifiable farms	-					0,0		0,0
Total	1 291 193,0	100,0	436 582,4	100,0	403 159,4	100,0	451 451,2	100,0

Source: Agrostistics Directorate, MAF - 2003 Agricultural Census.

Table 16 Distribution of Agricultural Holdings and Areas by Category of UAA (2003)¹

Crops	Holdings		UAA	
	number	%	ha	% of UAA
Cereals				
Common wheat	103 555	15.8	861 388	29.7
Grain maize	275 241	42.0	362 877	12.5
Barley	52 032	8.0	282 417	9.7
Oats	30 027	4.6	37 506	1.3
Durum wheat	2 059	0.3	22 964	0.8
Triticale	3 420	0.5	11 339	0.4
Dry pulses				
Dry beans	83 870	12.8	5 229	0.2
Chick-peas	228	0.0	5 810	0.2
Peas	2 504	0.4	2 278	0.1
Lentils	559	0.1	2 042	0.1
Industrial crops				
Tobacco	49 361	7.5	27 740	1.0
Oil crops				
Sunflower	29 458	4.5	65 676	22.6
Rape	221	0.0	12 684	0.4
Pumpkins for oil seeds	5 467	0.8	8 937	0.3
Textile crops				
Cotton	46	0.0	3 116	0.1
Aromatic and medicinal plants/herbs				
Coriander	1 202	0.2	58 731	2.0
Lavender	884	0.1	4 085	0.1
Oil rose	1 547	0.2	1 745	0.1
Fodder plants				
Temporary grass -leguminous	172 982	26.4	73 562	2.5
Maize grown for silage and green fodder	9 833	1.5	18 170	0.6
Temporary grass – cereals	3 748	0.6	1 538	0.1
Potatoes	209 523	32.0	17 156	0.6
Strawberries	10 299	1.6	1 005	0.0
Fresh vegetables				
Open field fresh vegetables	114 241	17.5	20 002	0.7
Market gardening	77 993	11.9	7 953	0.3
Fresh vegetables under glass or high cover	6 822	1.0	768	0.0
Flowers and ornamental plants				
Flowers grown outdoor	827	0.1	97	0.0
Flowers under glass or high cover	438	0.1	46	0.0
Fallow land	28 521	4.4	111 940	3.9
Arable land seeds and seedlings	1 751	0.3	875	0.0
Permanent crops				
<i>Pip-trees</i>				
Apple trees	22 721	3.5	3 616	0.1
Pear trees	7 136	1.1	313	0.0
Quince trees	1 468	0.2	100	0.0
<i>Stone trees</i>				
Plum trees	27 209	4.2	7 762	0.3
Cherry trees	10 483	1.6	4 299	0.1
Apricot trees	10 165	1.6	3 053	0.1
Peach trees	9 629	1.5	2 868	0.1
Morello trees	1 779	0.3	1 679	0.1
<i>Nut trees</i>				
Walnut trees	2 637	0.4	5 581	0.2
Almond trees	796	0.1	934	0.0
Hazel bush	138	0.0	104	0.0
<i>Other fruit trees and berries</i>				
Raspberries	2 005	0.3	1 062	0.0
<i>Vineyards</i>				
For wine production	214 719	32.8	64 388	2.2
Dessert grapes	36 402	5.6	4 094	0.1

Crops	Holdings		UAA	
Kitchen gardens	534 033	81.6	21 046	0.7
Of which vegetables	518 496	79.2	17 819	0.6
Of which orchards	134 776	20.6	2 653	0.1
Permanent grasslands	(-)	0.0	107 393	3.7
Meadows	193 870	29.6	95 680	3.3
Rough grazing	11 293	1.7	11 713	0.4
Total	654 808	100.0	2 904 480	100.0

Note: Only the main crops are given in the table.

Source: Agrostatistics Directorate, MAF - 2003 Agricultural Census.

Table 17 Livestock Breeding Holdings and Number of Animals by Type of Animal and Size of UUA

Size of UUA (ha)	Total Livestock Breeding Holdings	Bovine		Buffalos		Sheep		Goats	
		Holdings	Animals	Holdings	Animals	Holdings	Animals	Holdings	Animals
Number									
0	10 697	3 267	21 578	51	496	1 970	45 266	4 322	19 712
0.01-0.09	58 235	12 250	35 375	143	393	13 068	94 086	30 827	104 151
0.1-0.29	120 418	24 757	56 164	229	667	33 982	192 854	62 330	191 423
0.3-0.49	114 389	31 939	65 318	217	481	42 351	213 661	54 667	159 161
0.5-0.99	158 879	63 326	142 548	584	1 366	73 015	406 747	68 297	205 518
1.0-1.9	84 389	44 990	129 769	591	1 529	44 116	316 092	31 931	106 199
2.0-4.9	38 681	22 935	98 103	373	1 383	21 364	202 860	12 861	48 982
5.0-9.9	8 579	4 959	34 642	102	536	4 810	61 064	2 474	11 171
10.0-19.9	3 115	1 774	19 266	39	262	1 645	27 550	774	4 925
20.0-29.9	893	500	7 438	13	52	424	7 695	176	1 113
30.0-49.9	727	380	9 118	9	31	339	7 713	140	798
50.0-99.9	618	290	6 614	6	195	249	8 075	119	1 211
>=100	1 195	601	57 052	22	1 340	409	51 560	126	2 490
Total	600 815	211 968	682 985	2 379	8 731	237 742	1 635 223	269 044	856 854
%									
0	1.8	1.5	3.2	2.1	5.7	0.8	2.8	1.6	2.3
0.01-0.09	9.7	5.8	5.2	6.0	4.5	5.5	5.8	11.5	12.2
0.1-0.29	20.0	11.7	8.2	9.6	7.6	14.3	11.8	23.2	22.3
0.3-0.49	19.0	15.1	9.6	9.1	5.5	17.8	13.1	20.3	18.6
0.5-0.99	26.4	29.9	20.9	24.6	15.7	30.7	24.9	25.4	24.0
1.0-1.9	14.1	21.2	19.0	24.8	17.5	18.6	19.3	11.9	12.4
2.0-4.9	6.4	10.8	14.4	15.7	15.8	9.0	12.4	4.8	5.7
5.0-9.9	1.4	2.3	5.1	4.3	6.1	2.0	3.7	0.9	1.3
10.0-19.9	0.5	0.8	2.8	1.6	3.0	0.7	1.7	0.3	0.6
20.0-29.9	0.2	0.2	1.1	0.6	0.6	0.2	0.5	0.1	0.1
30.0-49.9	0.1	0.2	1.3	0.4	0.4	0.1	0.5	0.1	0.1
50.0-99.9	0.1	0.1	1.0	0.3	2.2	0.1	0.5	0.0	0.1
>=100	0.2	0.3	8.4	0.9	15.4	0.2	3.2	0.1	0.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table 17 (Continued)

Size of UAA (ha)	Pigs		Poultry		Horses		Rabbits		Honey bee colonies	
	Holdings	Animals	Holdings	Animals	Holdings	Animals	Holdings	Animals	Holdings	Animals
Number										
0	3 338	353 045	4 689	8 279 348	1 752	2 981	687	18 933	1 013	32 727
0.01-0.09	23 869	102 255	46 079	1 164 145	6 765	7 683	6 681	63 624	3 707	59 756
0.1-0.29	51 061	120 844	97 124	1 878 530	12 966	14 108	13 462	124 012	7 092	91 330
0.3-0.49	50 664	103 012	93 835	1 765 251	16 701	17 761	12 336	109 448	5 555	50 403
0.5-0.99	76 391	162 535	132 506	3 024 572	33 681	35 742	17 933	157 856	8 774	73 682
1.0-1.9	43 186	128 686	72 828	1 878 387	25 012	26 894	10 657	93 992	6 043	46 759
2.0-4.9	21 349	81 151	34 662	1 155 306	13 461	15 017	5 430	55 186	3 609	34 301
5.0-9.9	5 246	35 386	7 610	404 101	2 632	3 149	1 292	13 820	1 012	11 028
10.0-19.9	1 897	51 650	2 671	173 708	789	1 007	488	6 474	407	4 090
20.0-29.9	511	6 690	731	121 435	184	240	151	2 226	142	1 527
30.0-49.9	413	25 484	574	178 091	153	244	114	1 279	104	1 702
50.0-99.9	373	9 791	454	412 933	112	178	98	1 334	99	1 014
>=100	546	98 404	535	1 360 573	248	1 317	128	2 991	79	1 337
Total	278 844	1 278 933	494 298	21 796 380	114 456	126 321	69 457	651 175	37 636	409 656
%										
0	1.2	27.6	1.0	38.0	1.5	2.4	1.0	2.9	2.7	8.0
0.01-0.09	8.6	8.0	9.3	5.3	5.9	6.1	9.6	9.8	9.9	14.6
0.1-0.29	18.3	9.5	19.7	8.6	11.3	11.2	19.4	19.0	18.8	22.3
0.3-0.49	18.2	8.1	19.0	8.1	14.6	14.1	17.8	16.8	14.8	12.3
0.5-0.99	27.4	12.7	26.8	13.9	29.4	28.3	25.8	24.2	23.3	18.0
1.0-1.9	15.5	10.1	14.7	8.6	21.9	21.3	15.3	14.4	16.1	11.4
2.0-4.9	7.7	6.4	7.0	5.3	11.8	11.9	7.8	8.5	9.6	8.4
5.0-9.9	1.9	2.8	1.5	1.9	2.3	2.5	1.9	2.1	2.7	2.7
10.0-19.9	0.7	4.0	0.5	0.8	0.7	0.8	0.7	1.0	1.1	1.0
20.0-29.9	0.2	0.5	0.2	0.6	0.2	0.2	0.2	0.3	0.4	0.4
30.0-49.9	0.2	2.0	0.1	0.8	0.1	0.2	0.2	0.2	0.3	0.4
50.0-99.9	0.1	0.8	0.1	1.9	0.1	0.1	0.1	0.2	0.3	0.3
>=100	0.2	7.7	0.1	6.2	0.2	1.0	0.2	0.5	0.2	0.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Agrostatics Directorate, MAF - 2003 Agricultural Census.

Annex 2.3 Food Industry

Table 18 Food Processing Industry by Size of Enterprises* at 31.12.2003

Sectors	Number of Enterprises									
	Micro		Small		Medium-sized		Large		Total	
	N	%	N	%	N	%	N	%	N	%
Total processing industry	19 962	71	5 809	21	1 957	7	399	1	28 127	100
Total production of food products, beverages and tobacco products**	4 755	73	1 288	20	363	6	67	1	6 473	100
<i>Production of tobacco products**</i>	<i>3</i>	<i>9</i>	<i>1</i>	<i>3</i>	<i>18</i>	<i>53</i>	<i>12</i>	<i>35</i>	<i>34</i>	<i>100</i>
<i>Production of food products and beverages</i>	<i>4 752</i>	<i>74</i>	<i>1 287</i>	<i>20</i>	<i>345</i>	<i>5</i>	<i>55</i>	<i>1</i>	<i>6 439</i>	<i>100</i>
Sugar production	1	14.3	1	14.3	3	42.9	2	28.6	7	100
Manufacture of homogenized food preparations and dietetic food	4	44.4	5	55.6	0	0.0	0	0.0	9	100
Manufacture of beer	4	28.6	1	7.1	2	14.3	7	50.0	14	100
Flavours and souses production	24	58.5	12	29.3	3	7.3	2	4.9	41	100
Grapevines production	37	39.8	29	31.2	22	23.7	5	5.4	93	100
Vegetable and animal oils production	53	55.2	27	28.1	15	15.6	1	1.0	96	100
Fodder production	70	56.5	44	35.5	10	8.1	0	0.0	124	100
Flour mill production and farina	168	60.2	86	30.8	25	9.0	0	0.0	279	100
Processing and preserving of fruit and vegetables	172	55.3	87	28.0	49	15.8	3	1.0	311	100
Manufacture of dairy products	292	63.8	136	29.7	26	5.7	4	0.9	458	100
Production, processing and preserving of meat and meat products	376	57.8	207	31.8	61	9.4	7	1.1	651	100
Bread and bakery products, toaster, pasta, noodles, couscous, etc.	2 693	82.2	487	14.9	80	2.4	15	0.5	3 275	100
Essential oils production	25	78.1	4	12.5	3	9.4	0	0.0	32	100

Note: *The size classes of the enterprises are according to the Bulgarian definition valid till 31 Dec 2005: (laid down by the Act for SME, State Gazzette 84 of 24.09.1999):

- Microenterprises are with an average work force of less than 10 people;
- Small enterprises are with an average work force of less than 50 people and annual turnover not bigger than 5 000 000 BGN or the value of their fixed assets is lower than 1 000 000 BGN.
- Medium size enterprises are with an average work force of less than 250 people and annual turnover not bigger than 15 000 000 BGN or the value of their fixed assets is lower than 8 000 000 BGN.
- Big enterprises are with an average work force of more than 250 people and annual turnover bigger than 15 000 000 BGN or the value of their fixed assets is higher than 8 000 000 BGN .

**included: tobacco production (cigarettes, cigars, tobacco for pipe, chewing or snuff) and production of homogenized tobacco; Does not include: growing of sour or preliminary treated tobacco;

Source: NSI.

Table 19 Volume of Sales of Processing Enterprises (2000-2003)

Sectors	2000		2002			2003			
	BGN (000)	%	BGN (000)	%	-2000	BGN (000)	%	-2000	-2002
Total Industry	18 403 052		19 173 120		4.2	22 451 724		22.0	17.1
Production of foods products and beverages	2 699 725		2 777 254		2.9	3 323 042		23.1	19.7
Production of food products	1 946 154	100	2 089 239	100	7.4	2 524 256	100	29.7	20.8
Production, processing and preserving of meat and meat products	318 865	16.4	402 912	19.3	26.4	496 791	19.7	55.8	23.3
Production, processing and preserving of fish and other aquacultures	10 068	0.5	7 643	0.4	-24.1	10 219	0.4	1.5	33.7
Fruits and vegetables processing and preserving	151 321	7.8	158 011	7.6	4.4	310 965	12.3	105.5	96.8
Manufacture of vegetable and animal fats and oils	163 078	8.4	148 190	7.1	-9.1	175 309	6.9	7.5	18.3
Manufacture of milk and dairy products	224 647	11.5	202 583	9.7	-9.8	204 204	8.1	-9.1	0.8
Manufacture of grain mill products, starches and starch products	321 644	16.5	272 845	13.1	-15.2	325 504	12.9	1.2	19.3
Production of fodder	138 668	7.1	169 690	8.1	22.4	151 703	6.0	9.4	-10.6
Production of bread, bakery and other flour products	617 863	31.7	727 364	34.8	17.7	849 561	33.7	37.5	16.8
Production of beverages	753 572		688 016		-8.7	798 786		6.0	16.1
Tobacco production	541 173		455 188		-15.9	507 079		-6.3	11.4

Source: NSI.

Table 20 Changes in the Number of Slaughterhouses and Cutting Plants for Red and White Meat

Sector	By 31.12.2004			By 01.11.2005			By 08.05.2006		
	Small Capacity	Industrial Capacity	Total	Small Capacity	Industrial Capacity	Total	Small Capacity	Industrial Capacity	Total
Slaughterhouses and cutting plants for red meat	120	69	189	80	53	133	46	47	93
Slaughterhouses and cutting plants for white meat	38	29	67	32	31	63	20	29	49
Total	158	98	256	112	84	196	66	76	142

Source: Register of State Veterinary and Sanitary Control Directorate (NVS) on the operating enterprises.

Table 21 Number of Enterprises by Different Categories for Restructuring in "Milk", "Meat" and "Honey and Bee Products" Sectors by 08.05.06

Sector	Total	I Category*	II Category**	IV Category with Concessions***
Milk	171	167	4	0
Meat-total	364	89	260	15
Slaughterhouses, cutting plants for red meat	93	22	70	1
Slaughterhouses, cutting plants for white meat	49	20	28	1
Meat processing	166	38	117	11
Minced meat and meat preparations	56	9	45	2
Honey and bee products	25	11	13	1

Notes: * **I category** – enterprises, corresponding to the EU veterinary, sanitary and hygienic enterprises;

** **II category** – enterprises that have approved action plan by State Veterinary and Sanitary Control Directorate to adapt to the EU veterinary, sanitary and hygienic enterprises and have already finished the building works and 80% of the equipment, needed for milk sector is functioning, and 70% for meat sector;

*** **IV category with concessions** – enterprises with buildings that could not be aligned to the EU requirements even after restructuring. These enterprises have purchased land and are building new enterprises.

Source: Register of State Veterinary and Sanitary Control Directorate (NVS) on the operating enterprises, last update - 08.05.2006.

Annex 2.4 Rural Area in Bulgaria

Table 22 Population and Territory of Rural Areas (2004)

Type of Region	Population (31.12.2004)		Territory		Population Density
	Number	% of Total	Sq. Km	% of Total	Inhabitants/ Sq. Km
OECD definition					
Predominantly Rural regions	4 502 540	58.0	84 885	76.5	53.0
Intermediate Regions	2 037 352	26.3	24 768	22.3	82.3
Predominantly Urban regions	1 221 157	15.7	1 349	1.2	905.3
National definition (SAPARD Plan)					
Rural	3 232 167	41.6	90 277	81.3	35.8
Urban	4 528 882	58.4	20 725	18.7	218.5
Total	7 761 049	100.0	111 002	100.0	69.9

Source: NSI (MAF calculations).

Table 23 Population, Territory and Settlements in Rural Areas

Type of Region	NUTS 3 Regions	Municipalities	Settlements	Towns	Villages
	Number	Number	Number	Number	Number
OECD definition					
Predominantly Rural regions	20	193	4 266	183	4 083
Intermediate Regions	7	70	1 029	59	970
Predominantly Urban regions	1	1	38	4	34
National definition (SAPARD Plan)					
Rural	N/A	233	4 157	200	3 957
Urban	N/A	31	1 176	46	1 130
Total	28	264	5 333	246	5 087

Source: NSI (MAF calculations).

**Table 24 Population Growth in Rural and Urban Regions
(average for the period 2001-2004)**

(per 1000)

Type of Region	Birth rate	Death Rate	Natural growth	Migration growth	Population growth
Predominantly Rural regions	8.7	14.8	-6.1	-3.4	-9.4
Intermediate Regions	8.6	14.2	-5.6	-0.6	-6.2
Predominantly Urban regions	8.7	12.6	-3.8	13.9	10.1
Rural	8.7	16.8	-8.2	-2.3	-10.5
North-West region	7.9	23.1	-15.3	-3.6	-18.9
North Central region	8.1	19.8	-11.7	-3.4	-15.1
North-East region	9.7	16.0	-6.3	-0.8	-7.1
South-East region	10.0	16.3	-6.3	-0.2	-6.5
South Central region	8.5	15.1	-6.6	-2.9	-9.5
South-West region	8.0	14.8	-6.8	-2.6	-9.4
Urban	8.7	12.4	-3.7	1.7	-2.1
Total	8.7	14.3	-5.6	0.0	-5.6

Source: NSI (MAF calculations).

Table 25 Population by Age (2004)

Type of Region	Population Below Working Age		Population at Working Age		Population Above Working Age		Total	
	000	%	000	%	000	%	000	%
OECD definition								
Predominantly Rural regions	710.0	15.8	2 721.0	60.4	1 071.5	23.8	4 502.5	100.0
Intermediate Regions	302.3	14.8	1 254.1	61.6	481.0	23.6	2 037.4	100.0
Predominantly Urban regions	162.1	13.3	806.7	66.1	252.3	20.7	1 221.2	100.0
National definition (SAPARD Plan)								
Rural	517.7	16.0	1 836.3	56.8	878.3	27.2	3 232.2	100.0
North-West region	43.3	14.9	150.3	51.6	97.9	33.6	291.5	100.0
North Central region	76.9	14.9	278.1	54.0	160.0	31.1	515.0	100.0
North-East region	101.5	17.4	337.5	57.8	144.5	24.8	583.5	100.0
South-East region	62.5	17.3	204.6	56.7	93.8	26.0	360.9	100.0
South Central region	139.6	15.8	511.7	58.0	230.2	26.1	881.5	100.0
South-West region	93.9	15.6	354.1	59.0	151.9	25.3	599.8	100.0
Urban	656.7	14.5	2 945.5	65.0	926.6	20.5	4 528.9	100.0
Total	1 174.4	15.1	4 781.8	61.6	1 804.9	23.3	7 761.0	100.0

Source: NSI (MAF calculations).

Table 26 GVA and GDP in Rural Areas by Sector (2004)

Type of region	GDP	GVA	GVA by Economic Sector		
			Agriculture and Forestry	Industry	Services
BGN (000)					
Predominantly Rural regions	18 169 548	15 745 617	2 675 058	5 043 663	8 026 896
Intermediate Regions	8 712 704	7 550 379	857 154	2 292 978	4 400 247
Predominantly Urban regions	11 393 087	9 873 182	57 484	2 572 303	7 243 395
Total	38 275 339	33 169 178	3 589 696	9 908 944	19 670 538
Row %					
Predominantly Rural regions		100.0	17.0	32.0	51.0
Intermediate Regions		100.0	11.4	30.4	58.3
Predominantly Urban regions		100.0	0.6	26.1	73.4
Total		100.0	10.8	29.9	59.3
Column %					
Predominantly Rural regions	47.5	47.5	74.5	50.9	40.8
Intermediate Regions	22.8	22.8	23.9	23.1	22.4
Predominantly Urban regions	29.8	29.8	1.6	26.0	36.8
Total	100.0	100.0	100.0	100.0	100.0

Source: NSI (MAF calculations).

Table 27 Economically Active Population and Employed in Rural and Urban Regions (2004)

Type of Region	Economically active Population		Employed		Economic activity rate	Employment Rate
	000	%	000	%	%	%
Predominantly Rural regions	1 850.6	55.7	1 624.0	55.6	47.9	42.1
Intermediate Regions	878.1	26.4	764.3	26.2	49.9	43.4
Predominantly Urban regions	593.3	17.9	533.9	18.3	56.1	50.5
Total	3 322.0	100.0	2 922.2	100.0	49.7	43.7

Source: Labour Force Survey, NS (MAF calculations).

Table 28 Unemployed and Long-term Unemployed in Rural Areas (2004)

Type of Region	Registered Unemployed			Long-term Unemployed	
	Number	Rate (%)	Change 2001/2004 (%)	Number	Rate (%)
OECD definition					
Predominantly Rural regions	324 720	14.81	-29.74	177 518	8.10
Intermediate Regions	125 538	13.07	-31.52	66 877	6.96
Predominantly Urban regions	18 976	3.44	-23.19	3 778	0.68
National definition (SAPARD Plan)					
Rural	288 537	19.25	-26.17	169 522	11.31
Urban	180 697	8.19	-35.32	78 651	3.57
Total	469 234	12.67	-29.98	248 173	6.70

Source: Employment Agency (MAF calculations).

Table 29 Tourism Infrastructure (2004)

Type of Region	Accommodation Establishments	Bed-places	Nights Spent
	Number	000	000
OECD definition			
Predominantly Rural regions	774	114.8	8 263.5
Intermediate Regions	458	64.9	4 819.7
Predominantly Urban regions	73	10.2	1 070.6
National definition (SAPARD Plan)			
Rural	641	107.4	7 609.7
Urban	664	82.4	6 544.3
Total	1 305	189.8	14 153.9

Source: NSI (MAF calculations).

Table 30 Social Infrastructure (2004)

Type of Region	Kindergartens	Educational Institutions	Health Institutions
	Number	Number	Number
OECD definition			
Predominantly Rural regions	2 164	2 227	183
Intermediate Regions	828	798	63
Predominantly Urban regions	309	289	45
National definition (SAPARD Plan)			
Rural	1 921	1 842	121
Urban	1 380	1 472	170
Total	3 301	3 314	291

Source: NSI (MAF calculations).

Table 31 Internet Uptake in Rural areas (2004)

Type of Region	Internet users	Modem (dial-up) or ISDN	DSL	Other broadband connection (cable, UMTS)	Mobile phone over narrowband (WAP, GRPS, etc)
Households (%)					
Total	9.7	5.0	0.5	3.5	2.7
Intermediate and predominantly rural regions	7.4	4.1	0.3	2.0	2.1
Incl. in villages	1.0	0.8	0.1	0.2	0.7
Predominantly urban regions	21.3	9.8	1.3	11.1	6.0
Enterprises with 10 or more persons employed (%)					
Total		41.8	3.8	25.6	8.9
Intermediate and predominantly rural regions		35.7	2.7	20.0	7.8
Predominantly urban regions		57.0	6.5	39.6	11.8

Note: Some of the respondents reported more than one type of Internet connection.

Source: NSI - Survey on ICT usage and E-commerce in non-financial enterprises in 2004; Survey on ICT usage in households in 2004.

Annex 2.5 Organic Products and Markets

The total area under organic production by the end of 2004 was 12 284.14 ha. This corresponds to 0.23 % of the UAA. Of these, 11 771.47 ha have passed through the necessary transition period (0.2% of all agricultural lands), and 512.67 ha (0,008 %) are still in transition period (before certification is possible).

The areas, approved for gathering wild organic fruits and herbs, spread on 27 881 ha in 2004. Greenhouse organic production is currently carried out in 12 hothouses with total area of 206 440 m² (206.44 ha); all premises have already passed the transition period.

The plant-growing holdings with organic production are at present 77; of them - 56 have produce, which has been certified as biological, and the remaining 21 are still in transition period. There are also 5 animal organic farms, where a total of 722 animals are currently reared (cattle, sheep, goats).

Apiculture is another agricultural sector with strong potential for the development of bioproduction. As bio are currently recognised 23 508 bee families in 258 apiaries. Additional 375 bee families in 11 bee-gardens are in transition period.

The organic production of seeds and seedlings is also gaining strength; there are 4 holdings, which produce certified planting materials for three particular cultures.

Bulgarian producers are showing growing interest to organic production. Major obstacles to faster development of the sector remain the lack of investments and the specific machinery required, and the low development of the internal market for such products, which does not allow the marketing of the produce of smaller organic producers.

At present, the Bulgarian organic products are primarily for export. Good access to EU markets have the organic products from essential oil plants, herbs, spices, fruits, vegetables, honey – all these are traditionally grown in the country. It is anticipated that after the accession to the EU these markets will be expanded and the variety of the products, traditionally grown in Bulgaria, will be enriched.

In October 2005, the Collegium at MAF adopted a Strategy and a National Action Plan for developing Organic Agriculture.

Apart from keeping the present markets and expanding the access to other foreign markets, a number of measures have already been put in place, primarily aiming at developing internal market for organic products, which is practically non-existing at present. Important place in the National Action Plan is reserved for the measures, targeting the enrichment of variety of organic products. The documents set forth the following strategic objectives:

- Development of internal market for organic produce;
- 8% of the UAA should be managed under organic production methods by the year 2013;
- Effective legislative framework, supporting the development of organic agriculture, should be in place by the year 2007;
- Scientific research in the area of organic agriculture should be orientated towards actual practices; training and education systems, and consultancy capacity in organic agriculture should be available by the year 2010;
- Effective system for control and certification of organic products should be established.