

Country Profile: Food Security Indicators

Country: Guatemala

			1990-92	1995-97	2003-05	1990-92 to 1995-97 (%)	1995-97 to 2003-05 (%)	
Proportion of undernourishment Proportion of Proportion of Undernourishment Proportion Of Und						annual change		
Proportion of undernourishment Number of undernourished Proportion of undernourished Proportion of undernourished Proportion (Rall) 14 17 16 3.7 Number of undernourished Proportion (Rall) millions 1.3 1.7 2.0 6.0 Food Needs Food Needs Minimum dietary energy requirement (MDER) kcal/person/day 1680 1680 1690 0.0 Average dietary energy requirement (ADER) kcal/person/day 1680 1680 1690 0.0 Food Supply for Human Consumption kcal/person/day 2310 2240 2270 -0.7 Total protein consumption g/person/day 59 57 57 -0.5 Animal protein consumption g/person/day 11 14<	OOD DEPRIVATION AND CONSUMPTION INDICATORS							
Number of undernourished millions 1.3 1.7 2.0 6.0 Food Alecal person/day 200 210 210 0.8 Real/person/day 200 210 210 0.8 Real/person/day 200 210 210 0.8 Real/person/day 200 200 210 0.8 Real/person/day 200 2	od Deprivation							
Number of undernourished Food deficit of undernourished population millions kcal/person/day 1.3 1.7 2.0 6.0 Food Needs Food Needs Minimum dietary energy requirement (MDER) kcal/person/day 1680 1680 1690 0.0 Average dietary energy requirement (ADER) kcal/person/day 200 2090 2010 2010 0.0 Food Supply for Human Consumption kcal/person/day 2310 2240 2270 0.0 Total protein consumption g/person/day 25 57 6.0 2.0 Total protein consumption g/person/day 11 14 4.7 4.7 4.7 4.7 6.0 7.0	portion of undernourishment	percent	14	17	16	3.7	-0.6	
Pood Needs	•	•	1.3	1.7	2.0	6.0	1.8	
Minimum dietary energy requirement (MDER) Real/person/day 1680 1680 1690 2090 2	d deficit of undernourished population	kcal/person/day	200	210	210	0.8	-0.1	
New Table New	od Needs							
Pood Supply for Human Consumption Dietary energy supply (DES) Kcal/person/day 2310 2240 2270 -0.7 -0.5	imum dietary energy requirement (MDER)	kcal/person/day	1680	1680	1690	0.0	0.1	
Dietary energy supply (DES)	rage dietary energy requirement (ADER)	kcal/person/day	2090	2090	2110	0.0	0.1	
Total protein consumption	od Supply for Human Consumption							
Animal protein consumption g/person/day 11 14 14 4.7 Fat consumption g/person/day 42 43 53 0.2 1.5	tary energy supply (DES)	kcal/person/day	2310	2240	2270	-0.7	0.2	
Pat consumption Spreaming	al protein consumption	g/person/day	59	57	57	-0.5	-0.1	
Diet Composition (Share in DES): Carbohydrate percent 73 73 69 -0.2 Total protein percent 10 10 10 0.1 Animal protein percent 2 2 3 5.4 Fat percent 16 17 21 0.8 Major food commodities consumed (share in DES)* 1 - Flour of Maize percent 47 45 40 -1.0 2 - Sugar Refined percent 16 17 16 0.6 3 - Flour of Wheat percent 8 9 8 3.3 4 - Oil of Soya Beans percent 5 3 3 -9.5 Share of cereals and roots & tubers in DES percent 5 3 3 -9.5 Share of oils and fats in DES percent 5 5 53 -0.4 Share of oils and fats in DES percent 6 6 9 -1.1 *ranked on the latest 3-year period ***************	mal protein consumption	g/person/day	11	14	14	4.7	3.0	
Carbohydrate percent 73 73 69 -0.2 Total protein percent 10 10 10 0.1 Animal protein percent 2 2 3 5.4 Fat percent 16 17 21 0.8 Major food commodities consumed (share in DES)* Major food commodities consumed (share in DES)* 1 - Flour of Maize percent 47 45 40 -1.0 2 - Sugar Refined percent 16 17 16 0.6 3 - Flour of Wheat percent 8 9 3 3 9.5 5 - Beans, Dry percent 5 3 3 9.5 5 - Beans, Dry percent 58 57 53 -0.4 5 - Bears of oils and fats in DES percent 6 6 9 -1.1 **ranked on the latest 3-year period **In FOOD PRODUCTION INDICATORS 8 role of production to consumption by major	consumption	g/person/day	42	43	53	0.2	2.8	
Total protein	t Composition (Share in DES):							
Animal protein percent 2 2 3 5.4 Fat percent 16 17 21 0.8 Major food commodities consumed (share in DES)* 1 - Flour of Maize percent 47 45 40 -1.0 2 - Sugar Refined percent 16 17 16 0.6 3 - Flour of Wheat percent 8 9 8 3.3 4 - Oil of Soya Beans percent 2 1 6 -7.1 5 - Beans, Dry percent 5 3 3 3 -9.5 Share of cereals and roots & tubers in DES percent 5 8 57 53 -0.4 Share of oils and fats in DES percent 6 6 6 9 -1.1 *ranked on the latest 3-year period II. FOOD PRODUCTION INDICATORS Role of production to consumption by major commodity** 1 - Flour of Maize percent 100 101 100 0.1 2 - Sugar Refined percent 100 102 111 0.6 4 - Oil of Soya Beans percent 100 102 111 0.6	bohydrate	percent	_			-0.2	-0.7	
Major food commodities consumed (share in DES)* 1 - Flour of Maize	·	•					-0.3	
Major food commodities consumed (share in DES)* 1 - Flour of Maize percent 47 45 40 -1.0 2 - Sugar Refined percent 16 17 16 0.6 3 - Flour of Wheat percent 8 9 8 3.3 4 - Oil of Soya Beans percent 2 1 6 -7.1 5 - Beans, Dry percent 5 3 3 -9.5 Share of cereals and roots & tubers in DES percent 58 57 53 -0.4 Share of oils and fats in DES percent 6 6 9 -1.1 *ranked on the latest 3-year period II. FOOD PRODUCTION INDICATORS Role of production to consumption by major commodity** 1 - Flour of Maize percent 100 101 100 0.1 2 - Sugar Refined percent 100 101 100 0.1 2 - Sugar Refined percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8	•	percent					0.7	
1 - Flour of Maize percent 47 45 40 -1.0 2 - Sugar Refined percent 16 17 16 0.6 3 - Flour of Wheat percent 8 9 8 3.3 4 - Oil of Soya Beans percent 2 1 6 -7.1 5 - Beans, Dry percent 5 3 3 -9.5 Share of cereals and roots & tubers in DES percent 58 57 53 -0.4 Share of oils and fats in DES percent 6 6 9 -1.1 *ranked on the latest 3-year period II. FOOD PRODUCTION INDICATORS Role of production to consumption by major commodity** 1 100 101 100 0.1 2 - Sugar Refined percent 100 101 100 0.1 2 - Sugar Refined percent 100 127 161 4.9 3 - Flour of Wheat percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8		percent	16	17	21	8.0	2.7	
2 - Sugar Refined percent 16 17 16 0.6 3 - Flour of Wheat percent 8 9 8 3.3 4 - Oil of Soya Beans percent 2 1 6 -7.1 5 - Beans, Dry percent 5 3 3 -9.5 Share of cereals and roots & tubers in DES percent 58 57 53 -0.4 Share of oils and fats in DES percent 6 6 9 -1.1 *ranked on the latest 3-year period II. FOOD PRODUCTION INDICATORS Role of production to consumption by major commodity** ** 1 100 101 100 0.1 2 - Sugar Refined percent 100 101 100 0.1 2 - Sugar Refined percent 100 127 161 4.9 3 - Flour of Wheat percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8	· · · · · · · · · · · · · · · · · · ·							
3 - Flour of Wheat percent per		percent				-1.0	-1.3	
4 - Oil of Soya Beans percent	•	percent				0.6	-0.4	
5 - Beans, Dry percent 5 3 3 -9.5 Share of cereals and roots & tubers in DES percent 58 57 53 -0.4 Share of oils and fats in DES percent 6 6 9 -1.1 *ranked on the latest 3-year period II. FOOD PRODUCTION INDICATORS Role of production to consumption by major commodity** 1 - Flour of Maize percent 100 101 100 0.1 2 - Sugar Refined percent 100 127 161 4.9 3 - Flour of Wheat percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8		percent			_		-2.0	
Share of cereals and roots & tubers in DES	•	•			_		18.7	
Share of oils and fats in DES		•	_				-0.2	
*ranked on the latest 3-year period II. FOOD PRODUCTION INDICATORS Role of production to consumption by major commodity** 1 - Flour of Maize percent 100 101 100 0.1 2 - Sugar Refined percent 100 127 161 4.9 3 - Flour of Wheat percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8		•					-0.9	
II. FOOD PRODUCTION INDICATORS Role of production to consumption by major commodity** 1 - Flour of Maize percent 100 101 100 0.1 2 - Sugar Refined percent 100 127 161 4.9 3 - Flour of Wheat percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8		percent	6	6	9	-1.1	5.5	
Role of production to consumption by major commodity** 1 - Flour of Maize percent 100 101 100 0.1 2 - Sugar Refined percent 100 127 161 4.9 3 - Flour of Wheat percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8	ked on the latest 3-year period							
1 - Flour of Maize percent 100 101 100 0.1 2 - Sugar Refined percent 100 127 161 4.9 3 - Flour of Wheat percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8								
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3 - Flour of Wheat percent 100 102 111 0.6 4 - Oil of Soya Beans percent 41 45 10 1.8		•					-0.1	
4 - Oil of Soya Beans percent 41 45 10 1.8	-	•			-		3.0	
		•					1.0	
o - Beans, Dry percent 108 112 106 0.8	•	•					-18.3	
**ratio of production to consumption by major commodity	•	percent	108	112	106	0.8	-0.8	



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					annual change		
III. FOOD TRADE INDICATORS							
Foreign Food Trade							
<u>Exports</u>							
Total merchandise	MLN US\$	1220	2180	3014	11.6	4.1	
Share of food (1) in total merchandise value	percent	35.1	32.1	31.9	-1.8	-0.1	
Share in total DES production	percent	15.8	20.8	23.3	5.5	1.5	
<u>Imports</u>							
Total merchandise	MLN US\$	1988	3384	7780	10.6	10.4	
Share of food (1) in total merchandise value	percent	9.0	10.5	10.0	2.9	-0.5	
Share in total DES production	percent	9.7	11.2	19.1	2.9	6.7	
Role of imports to consumption by major commodity***							
1 - Flour of Maize	percent	0	0	2	54.5	19.6	
2 - Sugar Refined	percent	0	0	0		17.3	
3 - Flour of Wheat	percent	3	1	8	-17.0	24.1	
4 - Oil of Soya Beans	percent	59	55	96	-1.3	6.8	
5 - Beans, Dry ***ratio of imports to consumption by major commodity	percent	4	3	10	-6.1	16.4	
Food Aid Received							
Cereal aid shipments	1000 MT	186	47	59	-27.4	2.7	
Share of food aid in total dietary energy supply (DES)	percent	9.1	2.5	3.3	-27.4	3.6	
IV. MACRO AND SOCIO ECONOMIC INDICATORS Population Total population Density	1000 Inh/sq Km	9118 85	10237 96	12399 116	2.3 2.3	2.4 2.4	
Share of urban in total population	percent	42	44	47	0.9	0.9	
Age dependency ratio (per 100 persons aged 15-64)	ratio	94.1	94.0	90.9	0.0	-0.4	
Macro economic aggregates							
GDP at market prices (constant 2000 US\$)	MLN US\$	13418	16443	21700	4.1	3.5	
Share of agriculture value added in total GDP	percent	26	24	13	-1.3	-7.8	
Poverty (last year available) (%of population)							
National (Poverty headcount) * Year 2000 only.	percent			56.2			
Rural (Poverty headcount) * Year 2000 only.	percent			74.5			
Urban (Poverty headcount) * Year 2000 only.	percent						
Inequality in Access to Food and to Income							
Gini of income * Year 2007 only.	percent			55.1			
Gini of dietary energy consumption * Year 1989 only.	percent			14.9			
Share of food in total expenditure * Year 1998 only.	percent			37.1			
Consumer price index (Base=2000) - Guatemala city	percent	45.0	77.0	132.0	10.5	6.7	
Consumer food price index (Base=2000) - Guatemala city	percent	49.0	84.0	142.0	11	6.6	
Literacy rate							
Adult female (% of females ages 15 and above) * Year 2007 only.	percent			73.2			
Adult male (% of males ages 15 and above) * Year 2007 only.	percent			79.0			
Adult total (% of people ages 15 and above) * Year 2007 only.	percent			68.0			



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		1990-92	1995-97	2003-05	to 1995-97 (%)	to 2003-05 (%)
					annual	change
V. AGRICULTURE INDICATORS Agricultural inputs						
Total labour force	1000	3145	3566	4502	2.5	2.9
Share of agricultural labour force (2) in total labour force	percent	51.7	48.2	42.7	-1.4	-1.5
Share of female in agricultural labour force	percent	7.3	8.0	9.0	1.9	1.5
Land						
Arable land	1000 HA	1785	1913	2368	1.4	2.7
Share of irrigated in total arable land	percent	6.8	6.8	5.5	0.1	-2.6
Inputs						
Fertilizer use/Arable land	kg nutr./HA	0.4	0.0	81.1		
Tractors / Arable land	no/1000 HA	2.4	2.2	1.2	-1.1	-7.7
Investments in agriculture						
Agricultural support estimate for OECD countries	US\$ billion					
External assistance to agriculture Agriculture, value added per worker	Const.US\$/agric.worker Const. 2000US\$	29.3 2119.6	39.2 2306.8	38.5 2623.1	5.8 1.7	-0.2 1.6
	σοποι: 2000 σοφ	2110.0	2000.0	2020.1	1.,	1.0
VI. HEALTH, NUTRITIONAL AND SANITATION INDICATORS Child Nutritional Status						
Stunting, less than - 2 s.d * Year 2002 only.	percent			49.3		
Overweight, more than + 2 s.d * Year 2002 only.	percent			5.6		
Adult Nutritional Status						
Underweight	percent					
Obesity	percent					
Health and Sanitation						
Life expectancy at birth	years	63	66	70	0.9	0.7
Under-five mortality rate * Year 2007 only.	per 1000 live births			39		
Infant mortality rate (0-1 year) * Year 2007 only.	per 1000 live births			29		
Access to safe water * Year 2006 only.	percent			96		
Access to adequare sanitation * Year 2006 only.	percent			84		
Maternal mortality ratio * Year 2005 only.	per 10 ⁵ live births			290		

Notes: (1) Crops & livestock products; (2) Includes fishing, forestry & hunting.

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1990-92 1995-97