



Country Profile: Food Security Indicators

Country: Zambia

		1990-92	1995-97	2000-02	2006-08	1990-92 to 1995-97 (%)	1995-97 to 2000-02 (%)	2000-02 to 2006-08 (%)
<i>annual change</i>								
I. FOOD DEPRIVATION AND CONSUMPTION INDICATORS								
Food Deprivation								
Proportion of undernourishment	percent	35	38	43	44	1.5	2.5	0.1
Number of undernourished	millions	2.9	3.6	4.7	5.4	4.4	5.2	2.4
Food deficit of undernourished population	kcal/person/day	290	300	320	320	0.6	1.0	0.0
Food Needs								
Minimum dietary energy requirement (MDER)	kcal/person/day	1730	1730	1720	1720	0.0	-0.1	0.0
Average dietary energy requirement (ADER)	kcal/person/day	2150	2150	2140	2140	0.0	-0.1	-0.1
Food Supply for Human Consumption								
Dietary energy supply (DES)	kcal/person/day	2010	1970	1890	1880	-0.4	-0.8	-0.1
Total protein consumption	g/person/day	51.1	50.5	47.5	47.7 *	-0.2	-1.2	0.1 *
Animal protein consumption	g/person/day	10.6	9.6	9.5	8.9 *	-2.1	-0.2	-1.5 *
Fat consumption	g/person/day	31.5	29.1	32.8	34.5 *	-1.6	2.4	1.0 *
Diet Composition (Share in DES):								
Carbohydrate	percent	75.7	76.4	74.3	73.4 *	0.2	-0.6	-0.2 *
Total protein	percent	10.2	10.3	10.1	10.1 *	0.2	-0.4	0.1 *
Animal protein	percent	2.1	1.9	2.0	1.9 *	-1.6	0.6	-1.2 *
Fat	percent	14.1	13.3	15.6	16.5 *	-1.2	3.2	1.0 *
Major food commodities consumed (share in DES) *								
1 - Flour of maize	percent	58.9	59.1	55.2	51.0 *	0.1	-1.4	-1.6 *
2 - Cassava	percent	11.7	11.3	12.8	13.5 *	-0.6	2.4	1.1 *
3 - Flour of wheat	percent	3.8	4.9	5.5	6.5 *	5.2	2.2	3.2 *
4 - Sugar, refined	percent	8.0	6.7	6.6	5.9 *	-3.4	-0.3	-2.2 *
5 - Oil of palm	percent	0.0	0.1	1.2	2.3 *	96.9	53.3	12.1 *
Share of cereals and roots & tubers in DES	percent	77.2	79.4	76.9	75.5 *	0.6	-0.6	-0.4 *
Share of oils and fats in DES	percent	4.0	3.3	5.4	6.2 *	-3.9	10.0	2.8 *
*ranked on the latest 3-year period								
II. FOOD PRODUCTION INDICATORS								
Role of production to consumption by major commodity**								
1 - Flour of maize	percent	100.4	99.9	99.5	100.3 *	-0.1	-0.1	0.2 *
2 - Cassava	percent	105.3	105.3	105.3	105.3 *	0.0	0.0	0.0 *
3 - Flour of wheat	percent	97.5	81.1	94.2	112.5 *	-3.7	3.0	3.6 *
4 - Sugar, refined	percent	102.8	92.6	84.9	101.0 *	-2.1	-1.7	3.5 *
5 - Oil of palm	percent				*			*
**ratio of production to consumption by major commodity								



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III. FOOD TRADE INDICATORS								
Foreign Food Trade								
<u>Exports</u>								
Total merchandise	MLN US\$	1224	1127	868	4490	-1.7	-5.2	27.4
Share of food (1) in total merchandise value	percent	1.5	2.6	6.4	4.2	11.0	18.1	-6.9
Share in total DES production	percent	2.2	3.7	8.2	15.2	10.4	16.0	10.2
<u>Imports</u>								
Total merchandise	MLN US\$	921	988	1134	3998	1.4	2.8	21.0
Share of food (1) in total merchandise value	percent	7.3	6.9	8.2	4.8	-1.1	3.4	-9.1
Share in total DES production	percent	22.4	10.6	15.6	14.5	-15.0	7.8	-1.4
Net food trade (Food exp.-Food imp.) in total GDP	percent	-1.5	-1.1	-1.1	0.0	-6.1	-0.7	-77.7
Role of imports to consumption by major commodity***								
1 - Flour of maize	percent	0.0	0.7	1.0	0.1 *	52.5	8.6	-45.3 *
2 - Cassava	percent				*			*
3 - Flour of wheat	percent	4.8	19.1	8.2	0.7 *	27.7	-16.8	-48.7 *
4 - Sugar, refined	percent	0.4	0.8	1.7	0.5 *	13.7	15.6	-23.0 *
5 - Oil of palm	percent	100.0	100.0	148.2	97.7 *	0.0	7.9	-8.3 *
***ratio of imports to consumption by major commodity								
Food Aid Received								
Cereal aid shipments	1000 MT	202.2	22.3	34.7	na	-44.1	8.8	na
Share of food aid in total dietary energy supply (DES)	percent	12.7	1.3	2.0	na	-46.4	9.6	na
IV. MACRO AND SOCIO ECONOMIC INDICATORS								
Population								
Total population	1000	8142	9376	10721	12318	2.8	2.7	2.3
Density	Inh/sq Km	11	13	14	17	2.8	2.7	2.3
Share of urban in total population	percent	39.0	36.6	34.8	35.2	-1.2	-1.0	0.2
Age dependency ratio (per 100 persons aged 15-64)	ratio	93.3	91.6	93.3	96.9	-0.4	0.4	0.6
Macro economic aggregates								
GDP at market prices (constant 2000 US\$)	MLN US\$	3009	2984	3381	4615	-0.2	2.5	5.2
Share of agriculture value added in total GDP	percent	20.6	18.2	22.2	21.1	-2.5	3.9	-0.9
Workers' remittances and compensation of employees, received (in total GDP)	percent				0.5			
Net official development assistance received (in total GDP)	percent	24.2	30.5	20.6	9.7	4.6	-7.9	-12.5
Foreign direct investment, net (BoP, current US\$) (in total GDP)	percent	3.6	5.8	4.6	7.8	9.6	-4.6	8.7
Current account balance (in total GDP)	percent	-13.6	-4.7	-17.3	-3.9	-21.4	26.3	-24.7
Total reserves in months of imports	no. months	1.2	1.8	2.3	2.0	8.4	5.2	-2.1
Cash surplus/deficit (in total GDP)	percent			0.1	0.7			36.5



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Poverty (last year available) (%of population)								
National (Poverty headcount) - 2006	percent				59.3			
Rural (Poverty headcount) - 2006	percent				76.8			
Urban (Poverty headcount) - 2006	percent				26.7			
Inequality in Access to Food and to Income								
Gini of income - 2004	percent				50.8			
Gini of dietary energy consumption - 1995	percent				16.3			
Share of food in total expenditure - 2002	percent				64.0			
Consumer price index (Base=2000)	percent	1.8	40.4	121.4	303.3	62.2	22.0	15.3
Consumer food price index (Base=2000) - Incl. alcoholic beverages and tobacco.	percent	1.8	44.0	118.9	281.1	64.4	19.9	14.3
Literacy rate								
Adult female (% of females aged 15 and above) - 2009	percent				70.9			
Adult male (% of males aged 15 and above) - 2009	percent				80.6			
Adult both sexes (% of people aged 15 and above) - 2009	percent				61.3			

V. AGRICULTURE INDICATORS

Agricultural inputs

Total labour force	1000	3629	4091	4578	5109	2.4	2.3	1.8
Share of agricultural labour force (2) in total labour force	percent	63.2	62.4	61.0	59.9	-0.2	-0.5	-0.3
Share of female in agricultural labour force	percent	48.3	47.7	47.3	46.9	-0.2	-0.2	-0.1

Land

Arable land & permanent crops	1000 HA	2829	2803	2740	3040	-0.2	-0.5	1.7
Share of irrigated in total arable land	percent	1.2	3.2	5.3	5.1	18.7	9.5	1.2

Agricultural Production (1) - Major Items *

1 - Maize	1000 MT	891	1036	816	1412	3.0	-4.8	9.1
2 - Indigenous cattle meat	1000 MT	56	45	55	58	-4.1	4.1	0.8
3 - Tobacco leaves	1000 MT	4	4	12	58	-2.7	23.8	26.6
4 - Sugar cane	1000 MT	1192	1403	1967	2500	3.3	6.7	4.0
5 - Cassava	1000 MT	652	711	894	891	1.7	4.6	-0.1

Major Exports (1) (share in Agriculture) *

1 - Tobacco leaves	percent	14.8	9.0	11.7	19.5	-10.0	5.2	8.6
2 - Sugar, raw centrifugal	percent	4.7	38.6	29.3	18.6	42.3	-5.5	-7.5
3 - Cotton lint	percent	7.5	15.6	7.7	12.8	14.6	-14.0	8.5
4 - Maize	percent	2.8	3.5	2.4	11.7	4.1	-7.2	26.2
5 - Crude organic materials NES	percent	4.6	9.8	12.4	7.7	15.1	4.8	-7.9



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<i>annual change</i>								
Major Imports (1) (share in Agriculture) *								
1 - Hydrogenated oils and fats	percent	0.2	4.5	0.9	11.0	64.0	-33.1	42.7
2 - Oil of palm	percent	0.0	0.6	6.9	7.5	85.3	50.2	1.4
3 - Wheat	percent	8.9	10.0	13.8	6.9	2.2	6.5	-11.5
4 - Maize	percent	49.9	17.9	9.7	6.0	-20.5	-12.3	-8.1
5 - Oil of soybeans	percent	3.5	1.7	4.7	5.9	-13.9	20.0	3.8
*ranked on the latest 3-year period								
Inputs								
Fertilizer use/Arable land	kg nutr./HA	na	na	24.6	31.9			4.3
Investments in agriculture								
Agricultural support estimate for OECD countries	US\$ billion							
External assistance to agriculture	Const.US\$/agric.worker	na	na	na	na	na	na	na
Agriculture, value added per worker	Const. 2000US\$	189.3	231.3	225.2	224.8	4.0	-0.5	0.0



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VI. HEALTH, NUTRITIONAL AND SANITATION INDICATORS								
Child Nutritional Status								
Stunting, less than - 2 s.d - 2007	percent				46.0			
Overweight, more than + 2 s.d - 2007	percent				8.4			
Adult Nutritional Status								
Underweight - both sexes - 2007	percent							
Underweight - males - 2007	percent							
Underweight - females - 2007	percent				9.6			
Obesity - both sexes - 2007	percent							
Obesity - males - 2007	percent							
Obesity - females - 2007	percent				5.4			
Health and Sanitation								
Life expectancy at birth - both sexes	years	47	43	42	46	-1.6	-0.4	1.5
Life expectancy at birth - males	years	45	42	42	46	-1.3	-0.2	1.5
Life expectancy at birth - females	years	48	44	42	47	-1.8	-0.7	1.6
Under-five mortality rate - 2009	per 1000 live births				141			
Infant mortality rate (0-1 year) - 2009	per 1000 live births				86			
Access to safe water - 2009	percent				86.3			
Access to adequate sanitation - 2008	percent				49.0			
Maternal mortality ratio - 2008	per 10 ⁵ live births				470			

Notes: (1) Crops & livestock products; (2) Includes fishing, forestry & hunting; - =Proportion less than 5% of undernourished; na=data Not Available; ns=Not statistically Significant.

* Data refer to 2005-07 instead of 2006-08.

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