

ANNEX 3

FOOD SECURITY CONCEPT

Food security indicators for 2009 and prognosis for 2010

	unit measure	populat ion	bakeries in grain calculation	potato (fresh)	vegetables and melons (fresh)	fruits and berries (fresh)
2009 (actual)						
Population	000 people	5350				
Minimum consumption norm per capita	kg/year		89.2	57.4	150.4	112.4
Average physiological norms of consumption	kg/year		115.3	98.6	114.3	123.7
Need - total (based on minimum norm)	000 tons		477.2	307.1	804.6	601.3
Need - total (based on physiological norm)	000 tons		617.1	527.2	611.2	662.0
Produced	000 tons		1056.0	1393.3	969.7	212.8
Expansion (seeds, natural losses, cattle feed)	000 tons		200.6	445.8	29.1	10.6
Export	000 tons		1.6	0.8	77.5	87.4
Import	000 tons		440.2	1.6	7.0	41.2
Volume of domestic market considering export and import	000 tons		1293.9	948.3	870.0	156.0
Consumption per capita based on domestic market	kg/year		241.8	177.2	162.6	29.2
Food security factor (based on minimal norm)	%		271.1	308.8	108.1	25.9
Food security factor (based on physiological norm)	%		209.7	179.9	142.3	23.6
Food security factor (based on physiological norm) based on own production	%		138.6	179.7	153.9	30.5
Import unit weight in volume of domestic market	%		34.0	0.2	0.8	26.4
2010 (prognosis)						
Population	000 people	5404				
Minimum consumption norm per capita	kg/year		89.2	57.4	150.4	112.4
Average physiological norms of consumption	kg/year		115.3	98.6	114.3	123.7
Need - total (as minimum norm)	000 tons		482.0	310.2	812.7	607.4
Need - total (as physiological norm)	000 tons		623.2	532.5	617.3	668.6
Produced	000 tons		1100.0	1468.0	980.0	215.0
Expansion (seeds, natural losses, cattle feed)	000 tons		209.0	469.8	29.4	10.8
Export	000 tons		1.0	350.0	90.0	80.0
Import	000 tons		150.0	4.5	3.5	25.0
Volume of domestic market considering export and import	000 tons		1040.0	652.7	864.1	149.3
Consumption per capita based on volume of domestic market	kg/year		192.5	120.8	159.9	27.6
Food security factor (based on minimal norm)	%		215.8	210.5	106.3	24.6
Food security factor (based on physiological norm)	%		166.9	122.6	140.0	22.3
Food security factor (based on physiological norm) based on own production	%		143.0	187.5	154.0	30.5
Import unit weight in volume of domestic market	%		14.4	0.7	0.4	16.8

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	unit measure	meat in calculation of decreased weight	milk crude	sugar	eggs, mil.unit	vegetable oil
Population	000 people					
Minimum consumption norm per capita	kg/year	39.1	184.8	21.7	166.0	9.6
Average physiological norms of consumption	kg/year	61.3	200.0	25.5	182.5	9.1
Need - total (based on minimum norm)	000 tons	209.2	988.7	116.1	888.1	51.4
Need - total (based on physiological norm)	000 tons	328.0	1070.0	136.6	976.4	48.8
Produced	000 tons	200.7	1315.6	5.9	369.4	20.9
Expansion (seeds, natural losses, cattle feed)	000 tons		131.6		7.4	
Export	000 tons	0.4				
Import	000 tons	62.7		81.2	42.8	34.0
Volume of domestic market considering export and import	000 tons	262.9	1184.0	87.0	404.8	54.8
Consumption per capita based on domestic market	kg/year	49.1	221.3	16.3	75.7	10.2
Food security factor (based on minimal norm)	%	125.7	119.8	75.0	45.6	106.7
Food security factor (based on physiological norm)	%	80.2	110.7	63.7	41.5	112.2
Food security factor (based on physiological norm) based on own production	%	61.2	110.7	4.3	37.1	42.7
Import unit weight in volume of domestic market	%	23.8	0.0	93.2	10.6	62.0
Population	000 people					
Minimum consumption norm per capita	kg/year	39.1	184.8	21.7	166.0	9.6
Average physiological norms of consumption	kg/year	61.3	200.0	25.5	182.5	9.1
Need - total (as minimum norm)	000 tons	211.3	998.6	117.3	897.0	51.9
Need - total (as physiological norm)	000 tons	331.2	1080.7	138.0	986.1	49.3
Produced	000 tons	206.0	1362.0	35.0	376.0	22.0
Expansion (seeds, natural losses, cattle feed)	000 tons		136.2		7.5	
Export	000 tons					
Import	000 tons	50.0		55.0	28.0	30.0
Volume of domestic market considering export and import	000 tons	256.0	1225.8	90.0	396.5	52.0
Consumption per capita based on volume of domestic market	kg/year	47.4	226.9	16.7	73.4	9.6
Food security factor (based on minimal norm)	%	121.2	122.8	76.8	44.2	100.2
Food security factor (based on physiological norm)	%	77.3	113.4	65.2	40.2	105.4
Food security factor (based on physiological norm) based on own production	%	62.2	113.4	25.4	37.4	44.6
Import unit weight in volume of domestic market	%	19.5	0.0	61.1	7.1	57.7