

THE ROLE OF HOUSEHOLDS IN PROVIDING THE FOOD SAFETY OF UKRAINE

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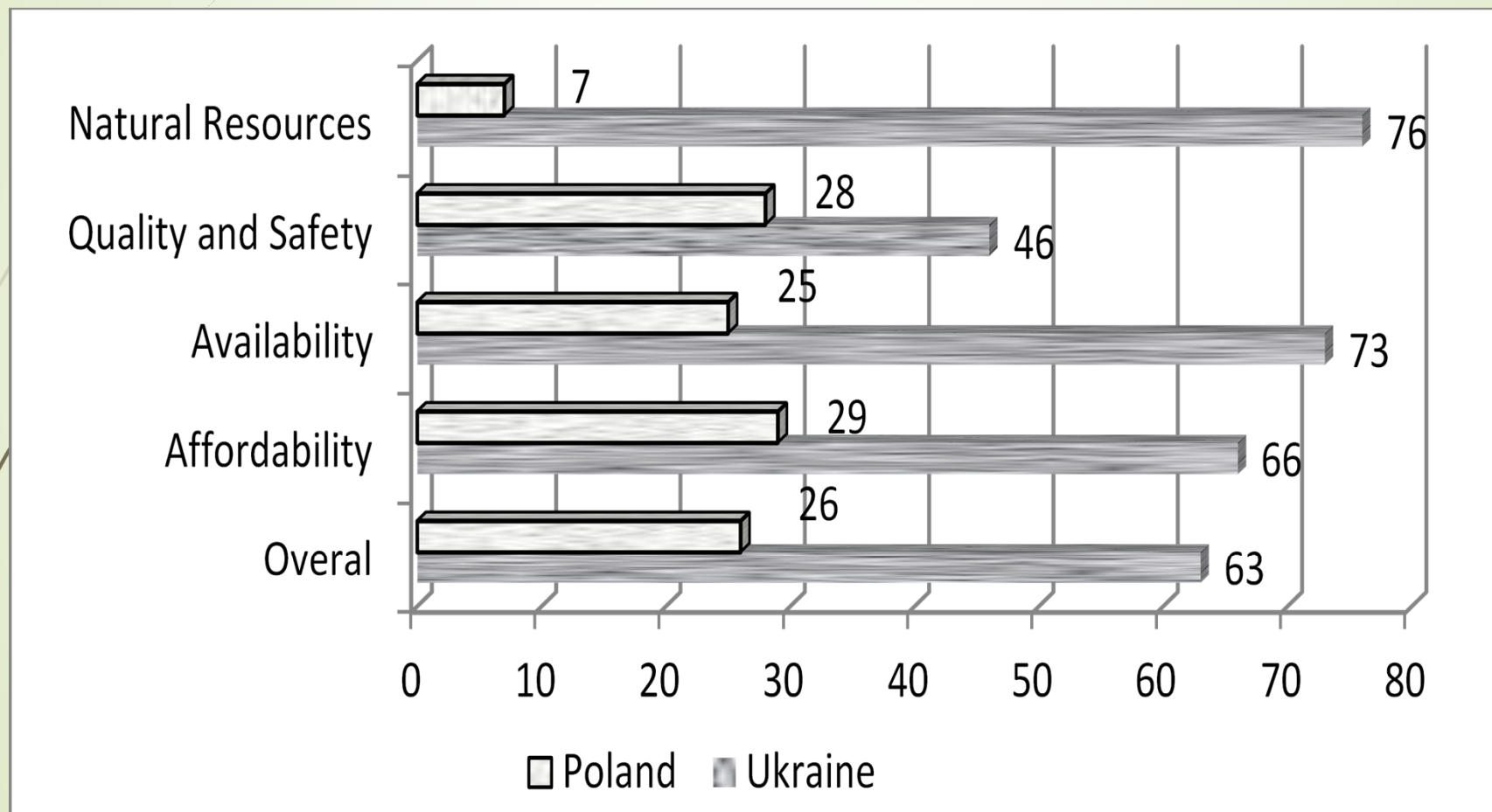
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1. ANALYSIS OF THE STATE OF FOOD SECURITY IN UKRAINE

Rating of Poland and Ukraine by indicators GFSI, 2018, 1= best



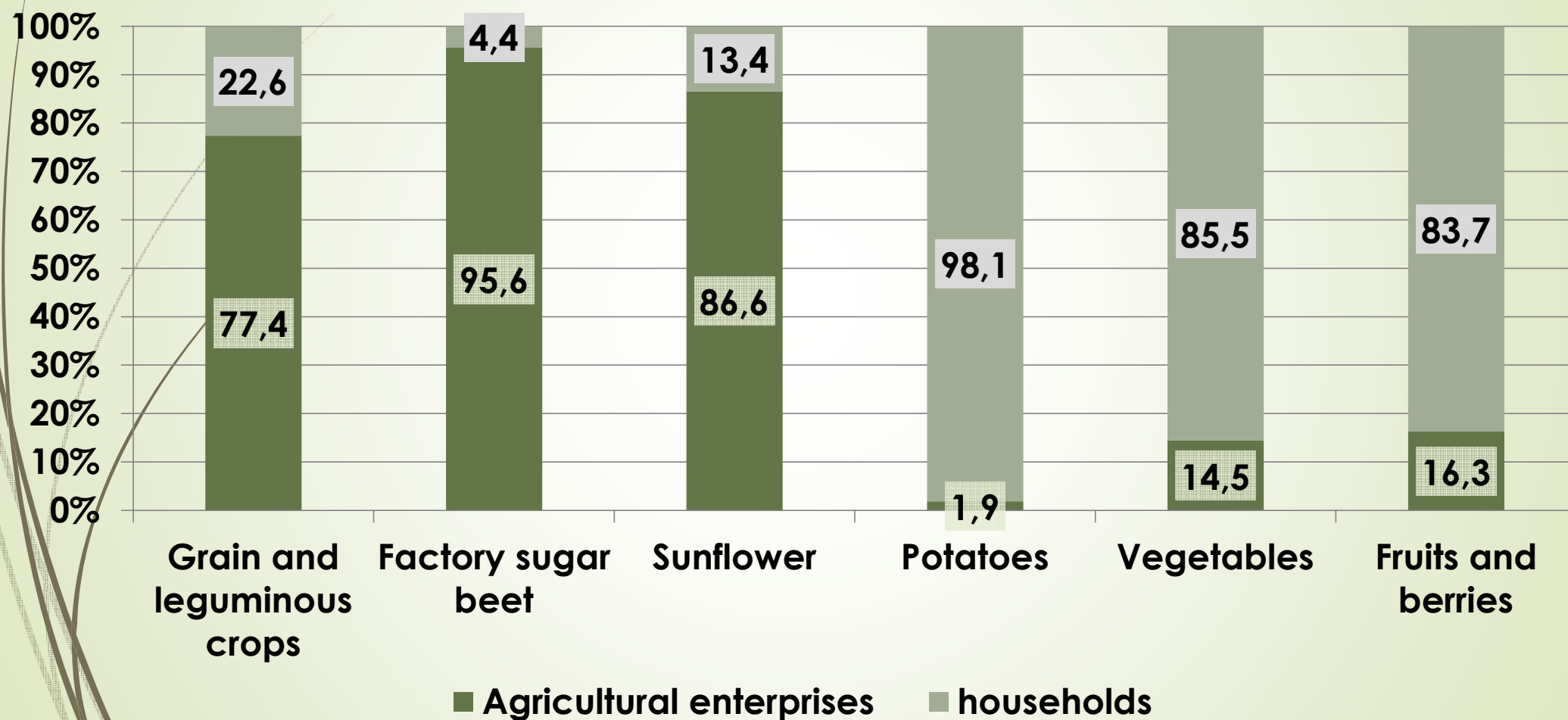
The components of the Global Food Security Index of Ukraine

Year	Overall	Affordability	Availability	Quality and Safety	Natural Resources & Resilience
2012	58.4	55.6	58.0	66.1	x
2013	58.0	55.5	57.4	65.7	x
2014	56.4	58.7	50.6	66.7	x
2015	54.4	57.1	48.7	63.0	x
2016	55.2	57.2	49.6	65.1	x
2017	54.1	55.7	50.2	61.0	58.2
2018	55.7	54.1	53.8	65.2	57.5
Deviation, 2012-2018	-2,7	-1,5	-4,2	-0,9	



2. THE ROLE OF THE AGRICULTURAL SECTOR OF UKRAINE IN PROTECTION OF FOOD SAFETY

Structure of agricultural crops production by agricultural enterprises and households

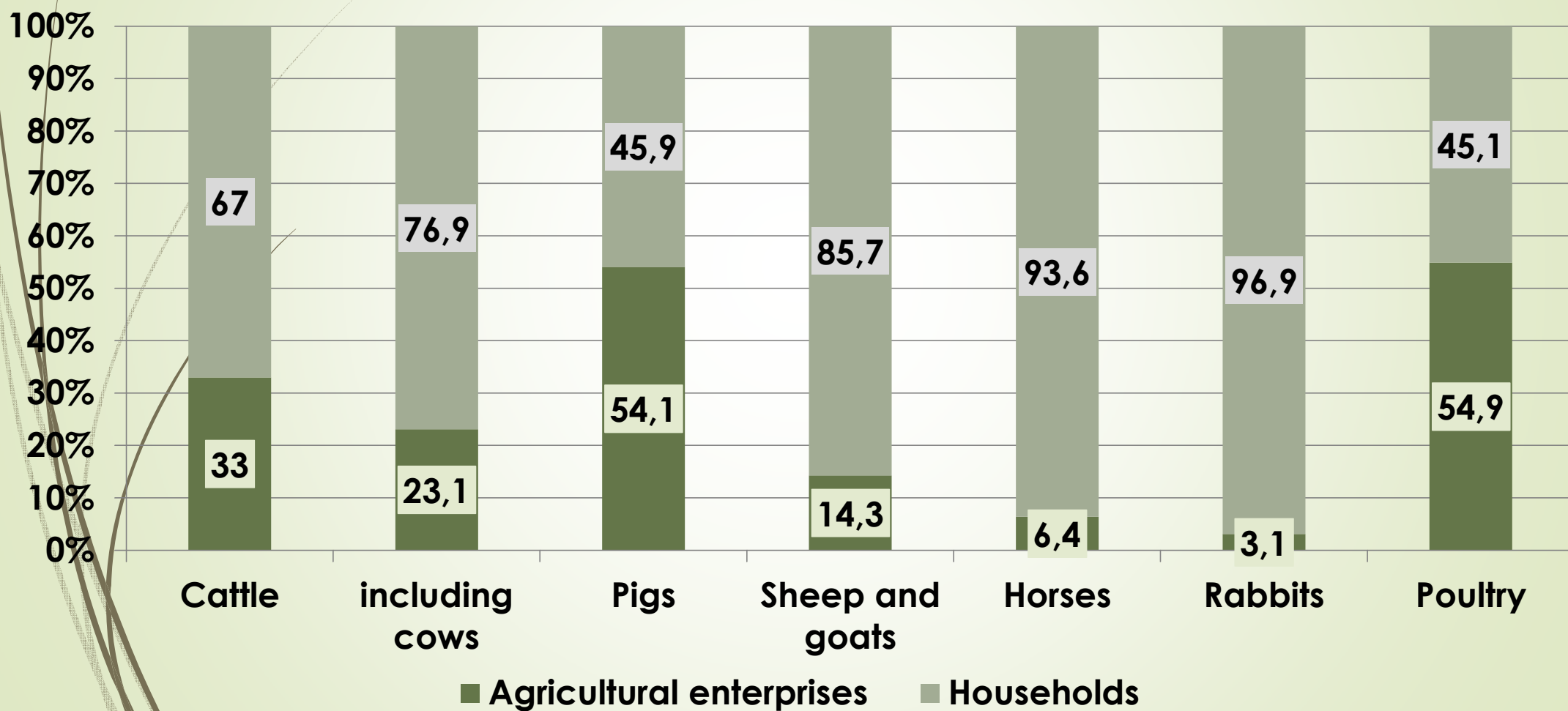


Production of agricultural crops per capita, kilograms

	Rational consumption rates (RCR)	2010	2013	2014	2015	2016	2017	Deviation, 2017 - RCR
Grain and leguminous crops	101*	856	1386	1485	1403	1549	1457	
Factory sugar beet		300	237	366	241	328	350	
Sunflower		148	243	236	261	319	288	
Potatoes	129	408	489	551	486	510	523	405,4
Vegetables	161	177	217	224	215	221	219	136,0
Fruits and berries	90	38	50	46	50	47	48	64,4
Grape		9	13	10	9	9	10	

* Bread-stuff products (bread and macaroni counted as flour; cereals, flour, leguminous)

Structure of number of agricultural animals by types of agricultural holdings, at end of year; percentage to total number



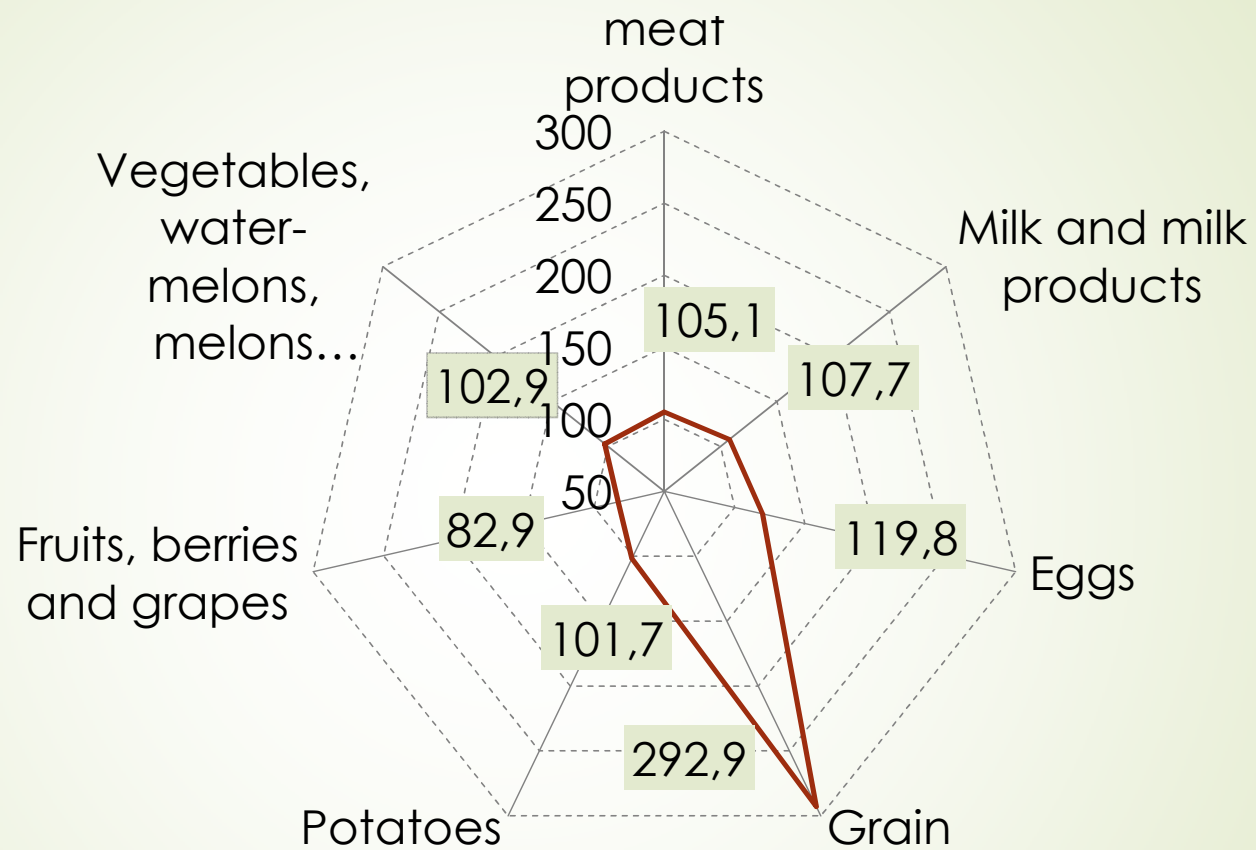
Production of animal products in 2017

	Total	2017/ 2010, %%	Share of households
Meat (in slaughter weight), thsd.t	2318,2	112,6	36,0
Milk, thsd.t	10280,5	91,4	73,1
Eggs, mln pcs	15505,8	90,9	46,1

Production of animal products per capita

	Rational consumption rates	2010	2013	2014	2015	2016	2017
Production of animal products per capita							
Meat (in slaughter weight), kg	83	44,9	52,5	54,9	54,2	54,5	54,6
Milk, kg	380	245,2	252,5	258,9	247,8	243,3	242,0
Eggs, pcs	290	372	431	456	392	354	365
Produced livestock products per person regarding rational consumption standards,%							
Meat (in slaughter weight), kg	100	54,1	63,3	66,1	65,3	65,7	65,8
Milk, kg	100	64,5	66,4	68,1	65,2	64,0	63,7
Eggs, pcs	100	128,3	148,6	157,2	135,2	122,1	125,9

Self-sufficiency by main food-stuffs of 2017



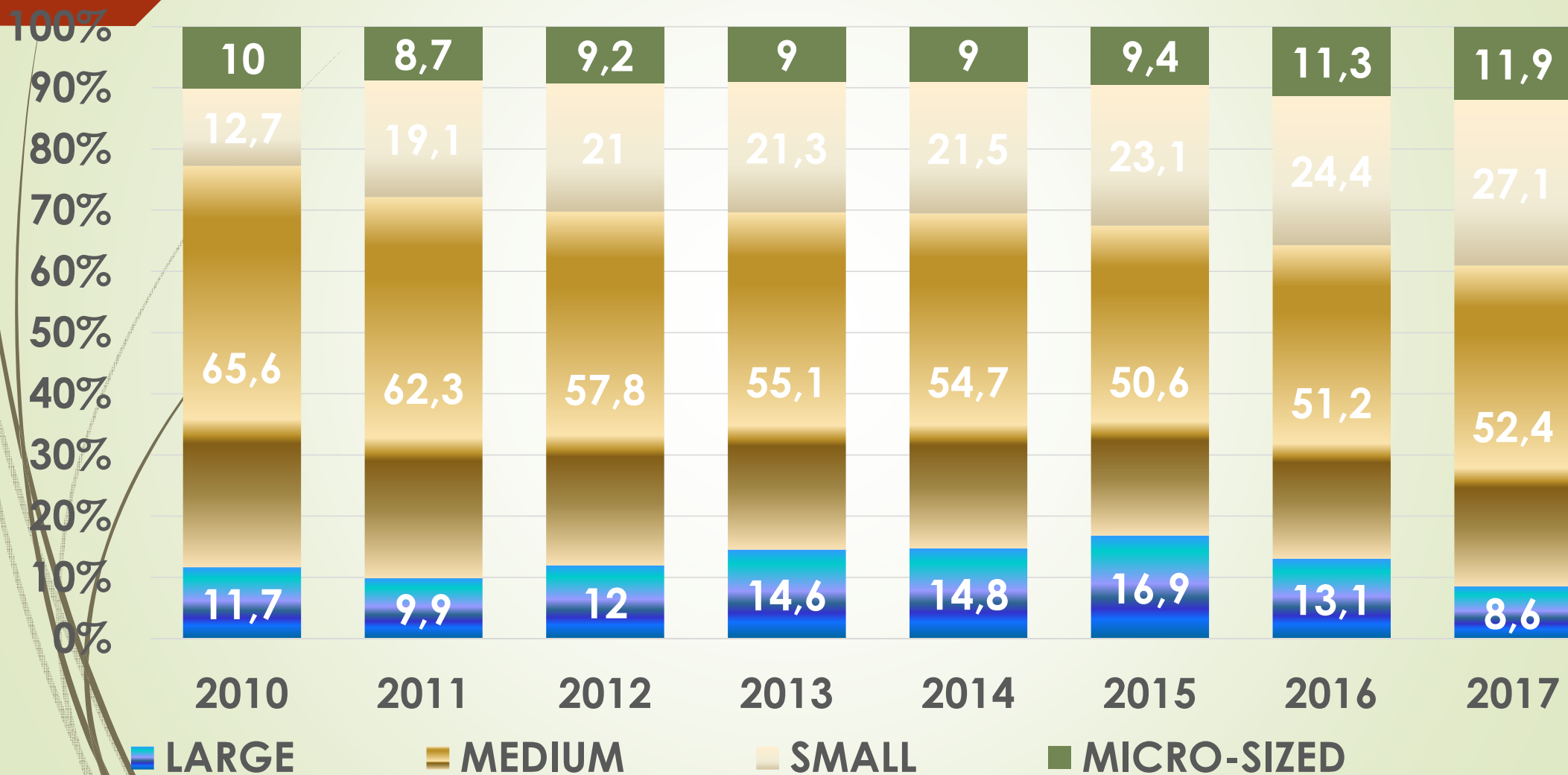
Consumption of main food-stuffs, per capita in year; kilogram

	Rational consumption rates (RCR)	Actual consumption						2017 - RCR, %%
		2010	2013	2014	2015	2016	2017	
Meat and meat products including subproducts and row fat	83	52,0	56,1	54,1	50,9	51,4	51,7	62,3
Milk and milk products	380	206,4	220,9	222,8	209,9	209,5	200,0	52,6
Eggs, pcs	290	290	309	310	280	267	273	94,1
Bread-stuff products (bread and macaroni counted as flour; cereals, flour, leguminous)	101	111,3	108,4	108,5	103,2	101,0	100,8	99,8
Potatoes	129	128,9	135,4	141,0	137,5	139,8	143,4	111,2
Vegetables, water-melons, melons and gourds	161	143,5	163,3	163,2	160,8	163,7	159,7	99,2
Fruits, berries and grapes (without processed for wine)	90	48,0	56,3	52,3	50,9	49,7	52,8	58,7
Fish and fish products	20	14,5	14,6	11,1	8,6	9,6	10,8	54,0
Sugar	39	37,1	37,1	36,3	35,7	33,3	30,4	77,9
Oil	13	14,8	13,3	13,1	12,3	11,7	11,7	90,0



3. THE ROLE OF HOUSEHOLDS IN THE FORMATION OF THE CONSUMPTION FUND

Structure of volumes of sold products of enterprises by their size in the agrarian sector of Ukraine in 2010-2017, %



The share of households in the formation of the consumption fund

	2010	2013	2014	2015	2016	2017
Meat	38,8	37,2	39,0	39,4	38,0	38,1
Milk and milk products,	95,4	88,6	88,6	88,3	85,8	88,5
Eggs (including egg products) ¹	69,5	52,4	52,8	58,4	61,6	61,5
Potatoes	308,1	350,6	378,4	345,9	356,7	357,6
Vegetables and gourds (including canned and dried products counted as fresh)	108,8	117,3	118,2	115,1	115,9	117,1
Fruits, berries and grape	66,3	72,3	74,1	79,9	77,2	76,5

¹ Average weight of egg – 57.75 g.

Specific gravity in the fund of consumption production by farms

	2010	2013	2014	2015	2016	2017
Meat (including sub-products and raw fat)	2,0	2,5	2,4	2,4	2,6	2,7
Milk and milk products	1,2	1,6	1,7	2,0	2,1	2,3
Eggs (including egg products)	0,8	0,7	0,8	0,9	1,1	1,0
Potatoes	2,7	4,5	3,4	2,1	2,0	1,8
Vegetables	3,2	4,1	4,7	4,1	4,3	4,0
Fruits	1,7	1,7	2,5	3,1	4,5	3,4

Supply of animal production to enterprises engaged in their processing, *thousands tons*

	2010	2012	2013	2014	2015	2016	2017	2017 - 2010, %
Agricultural animals (in live weight)								
Total supply	1345,2	1390,3	1634,8	1702,9	1689,9	1621,0	1717,6	127,7
including from households, %%	7,9	2,3	2,4	1,6	1,1	1,4	1,5	-6,4
Purchased – total	512,7	432,6	467,8	463,9	395,2	353,7	341,8	66,7
including from households, ths t	106,1	31,5	39,4	26,9	18,7	22,3	25,2	23,8
share in total supply, %	20,7	7,3	8,4	5,8	4,7	6,3	7,4	-13,3
Animals grown in processing enterprises that were supplied for processing	796,6	944,4	1151,8	1228,1	1258,0	1227,4	1335,5	167,7
Milk								
Total supply	4716,6	4655,0	4512,3	4646,6	4251,2	4182,7	4348,3	92,2
including from households, %%	52,7	42,2	39,4	37,4	31,7	28,6	28,5	-24,2
Purchased – total	4660,9	4630,5	4487,7	4617,0	4089,8	3709,7	3927,8	84,3
including from								
including from households, ths t	2487,8	1963,3	1780,1	1737,0	1346,1	1197,8	1239,3	49,8
share in total supply, %	53,4	42,4	39,7	37,6	32,9	32,3	31,6	-21,8
Milk produced in processing enterprises that was supplied for processing	13,6	9,3	18,9	22,7	23,6	32,1	24,6	180,9



4. WAYS TO IMPROVE THE EFFICIENCY OF HOUSEHOLDS FUNCTIONING

Creating of the public-private partnerships will create conditions for merging the households and their transformation into agricultural cooperatives

