

RUSSIAN FEDERATION



Federal Scientific  
Institute of Hygiene  
named after F.F. Erisman

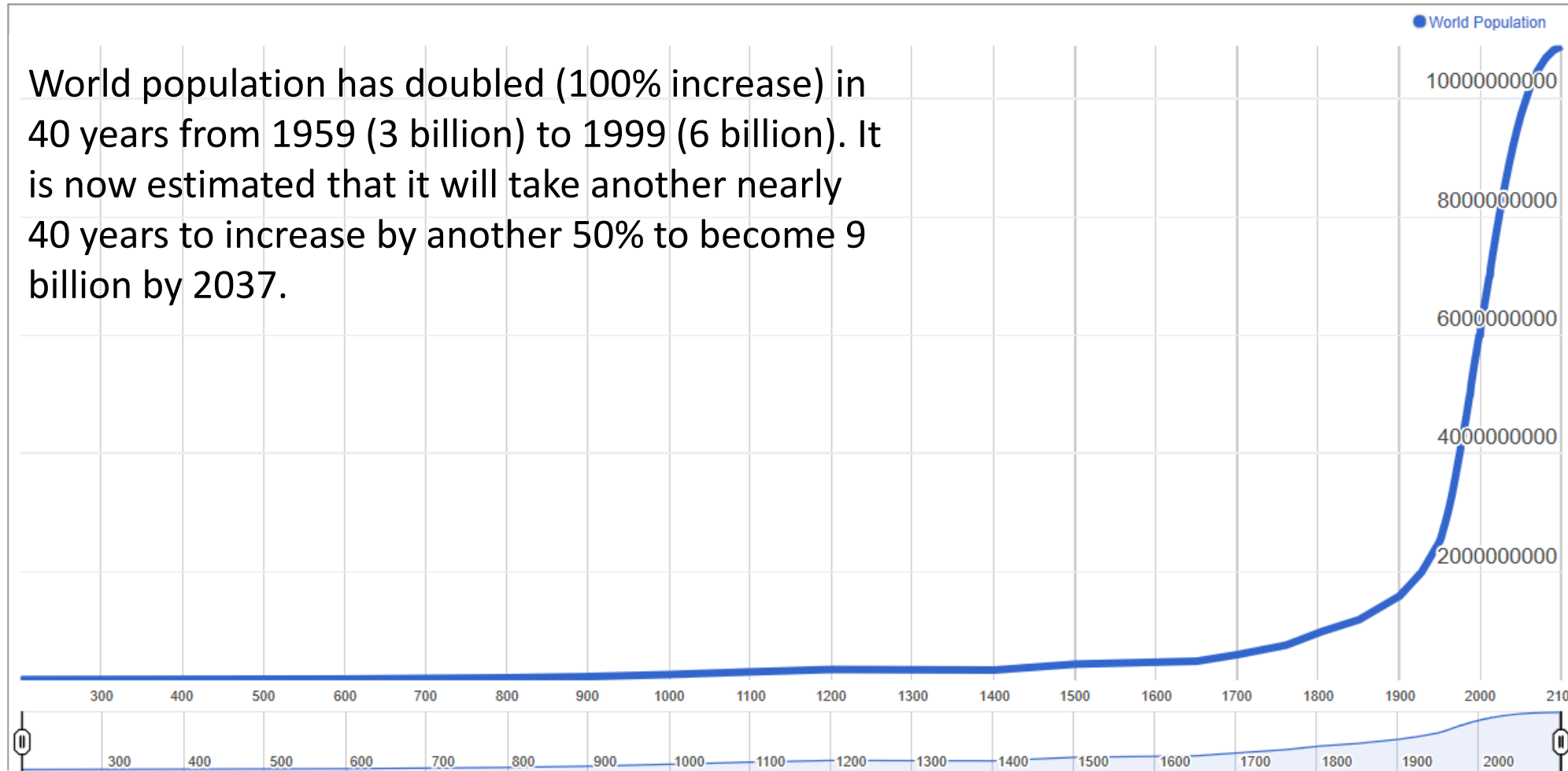
# THE STRUCTURE OF PESTICIDE'S ASSORTMENT IN RUSSIAN MARKET

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CEUREG forum, October 15, 2019.

# World population growth curve

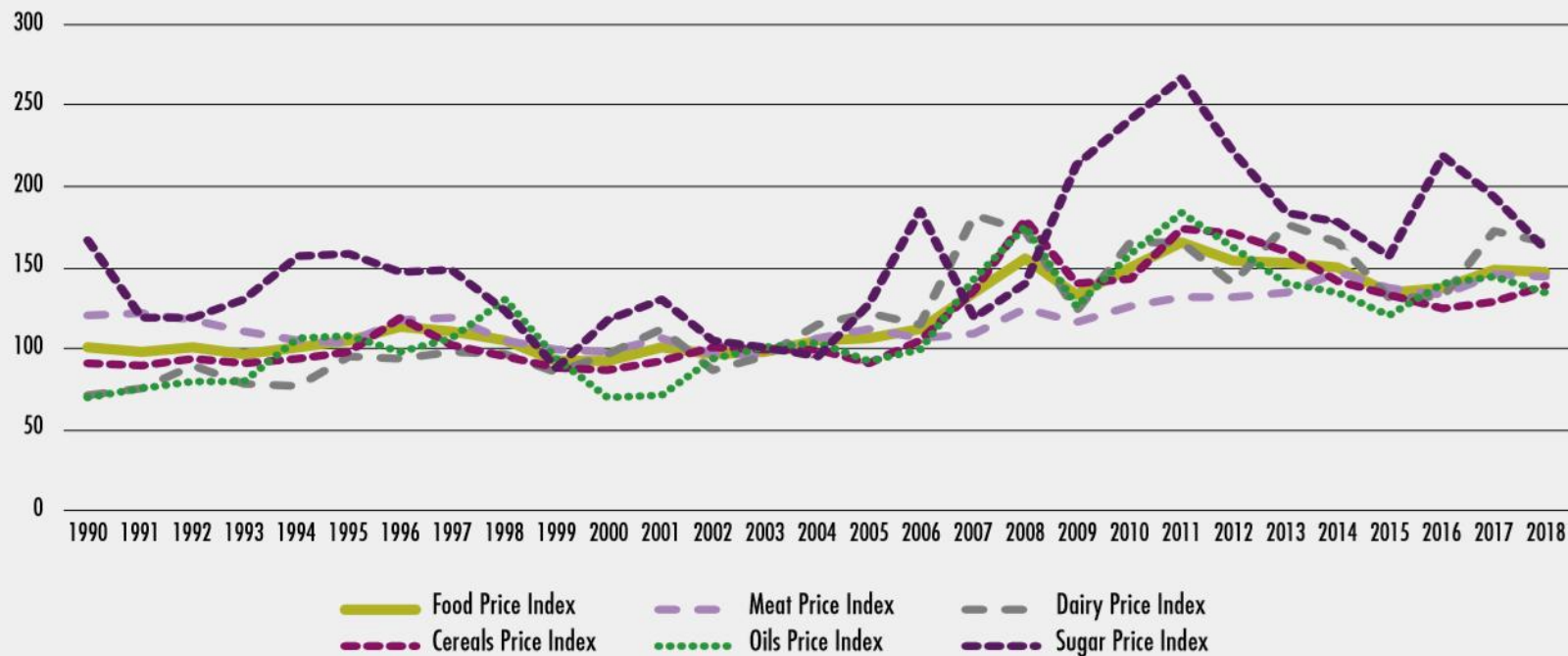
World population has doubled (100% increase) in 40 years from 1959 (3 billion) to 1999 (6 billion). It is now estimated that it will take another nearly 40 years to increase by another 50% to become 9 billion by 2037.



The chart above illustrates how world population has changed throughout history.

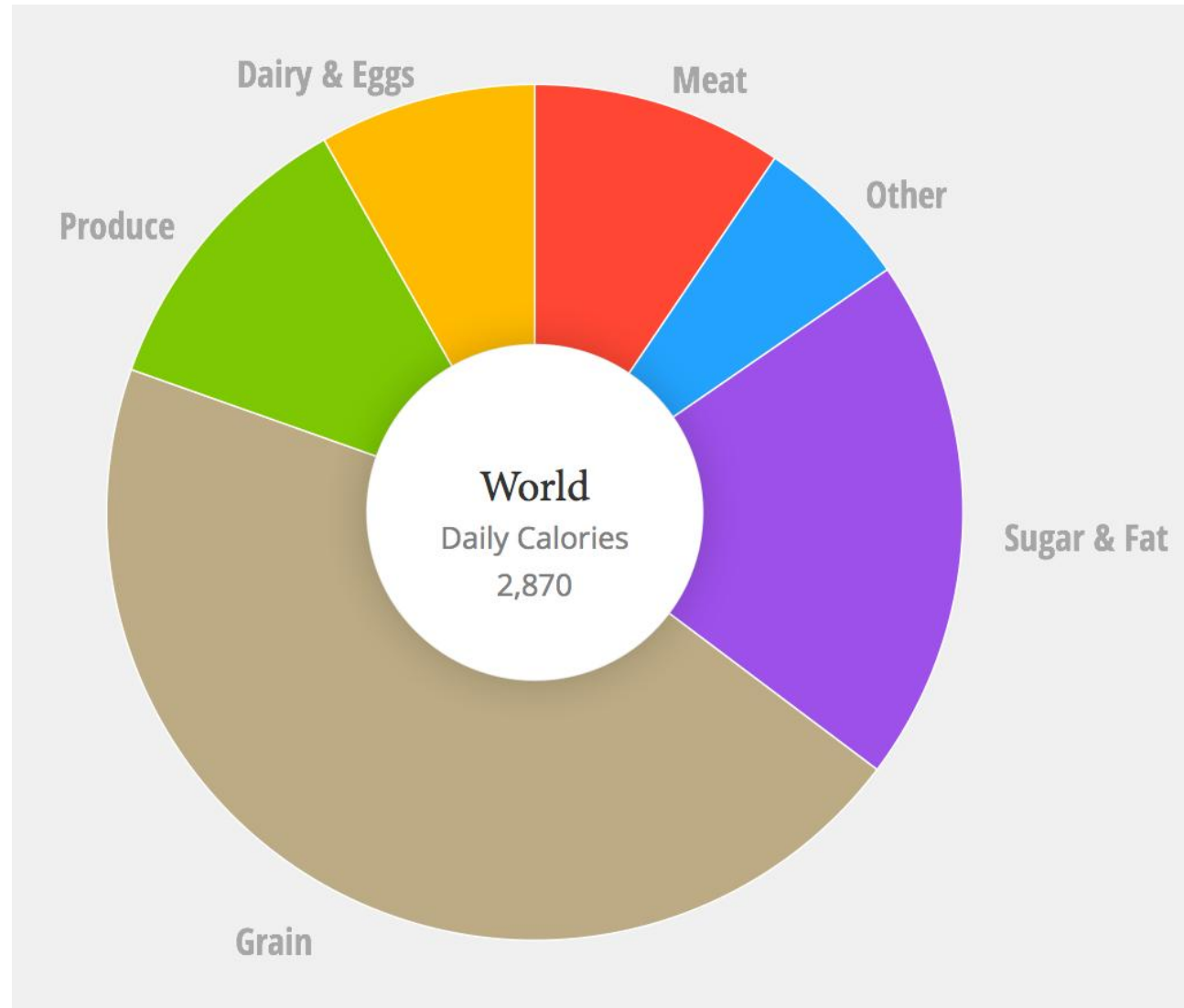
# Structure of global agricultural market

AGRICULTURAL PRICE INDICES, 1990–2018 (2002–2004=100)



SOURCE: FAO Food Price Index, World Food Situation (<http://www.fao.org/worldfoodsituation/foodpricesindex/en/>)

# Quality composition of the food basket in World



Grains make up 45% of the world's diet.

# Major agricultural importers

## MAJOR IMPORTERS OF AGRICULTURAL PRODUCTS: SHARE OF TOTAL IMPORT VALUE, 2016 AND 2000

2016			2000		
	Rank	Share		Rank	Share
European Union (Member Organization)	1	39.1	European Union (Member Organization)	1	45.3
United States of America	2	10.1	United States of America	2	10.1
China	3	8.2	Japan	3	8.7
Japan	4	4.2	Canada	4	2.8
Canada	5	2.7	Mexico	5	2.3
Mexico	6	2	China	6	2.3
China, Hong Kong SAR	7	1.9	China, Hong Kong SAR	7	2
India	8	1.9	Republic of Korea	8	2
Republic of Korea	9	1.9	Russian Federation	9	1.7
Russian Federation	10	1.9	Saudi Arabia	10	1.2

# Major agricultural exporters

## MAJOR EXPORTERS OF AGRICULTURAL PRODUCTS: SHARE OF TOTAL EXPORT VALUE, 2016 AND 2000

2016			2000		
	Rank	Share		Rank	Share
European Union (Member Organization)	1	41.1	European Union (Member Organization)	1	46.9
United States of America	2	11	United States of America	2	14
Brazil	3	5.7	Canada	3	3.9
China	4	4.2	Australia	4	3.7
Canada	5	3.4	Brazil	5	3.2
Argentina	6	2.8	China	6	3.0
Australia	7	2.5	Argentina	7	2.7
Indonesia	8	2.4	Mexico	8	1.9
Mexico	9	2.3	New Zealand	9	1.6
India	10	2.2	Thailand	10	1.5
Thailand	11	2.0	Malaysia	11	1.4
Malaysia	12	1.8	India	12	1.2
New Zealand	13	1.6	Indonesia	13	1.1
Viet Nam	14	1.3	Turkey	14	0.9
Turkey	15	1.3	Colombia	15	0.7
Russian Federation	16	1.1	Chile	16	0.7

SOURCE: FAO's calculations using data from World Integrated Trade Solution (accessed February 2018).

# Food basket composition in Russia (2013-2020)

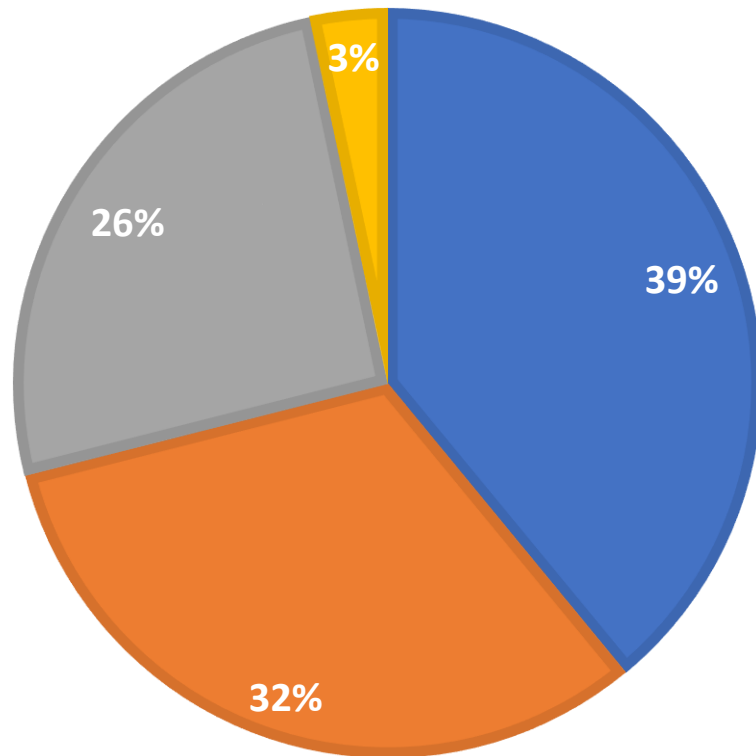
Food product	Unit	Estimated average consumption (per person /per 1 year)					
		Able-bodied population		Seniors		Children	
	kg	absolute value	percent	absolute value	percent	absolute value	percent
total	kg	819.9	100%	695.4	100%	861	100%
milk and dairy products	kg	290	35.4%	257.8	37.7%	360.7	41.9%
<b>bread products (bread and pasta)</b>	kg	<b>126.5</b>	<b>15.4%</b>	<b>98.2</b>	<b>14.1%</b>	<b>77.6</b>	<b>9.0%</b>
<b>potatoes</b>	kg	<b>100.4</b>	<b>12.2%</b>	<b>80</b>	<b>11.5%</b>	<b>88.1</b>	<b>10.2%</b>
<b>vegetables and gourds</b>	kg	<b>114.6</b>	<b>14.0%</b>	<b>98</b>	<b>14.1%</b>	<b>112.5</b>	<b>13.1%</b>
<b>fresh fruits</b>	kg	<b>60</b>	<b>7.3%</b>	<b>45</b>	<b>6.5%</b>	<b>118.1</b>	<b>13.7%</b>
<b>sugar and confectionery</b>	kg	<b>23.8</b>	<b>2.9%</b>	<b>21.2</b>	<b>3.0%</b>	<b>21.8</b>	<b>2.5%</b>
meat products	kg	58.6	7.1%	54	7.8%	44	5.1%
fish products	kg	18.5	2.3%	16	2.3%	18.6	2.2%
eggs	kg	11.6	1.4%	11	1.6%	11.1	1.3%
<b>oils</b>	kg	<b>11</b>	<b>1.3%</b>	<b>10</b>	<b>1.4%</b>	<b>5</b>	<b>0.6%</b>
other products (salt, tea, spices)	kg	4.9	0.6%	4.2	0.6%	3.5	0.4%

SOURCE: Федеральный закон от 3 декабря 2012 г. N 227-ФЗ "О потребительской корзине в целом по Российской Федерации" (Federal Law of December 3, 2012 N 227-FL "On the consumer basket as a whole in the Russian Federation")

# The structure of the Russian market

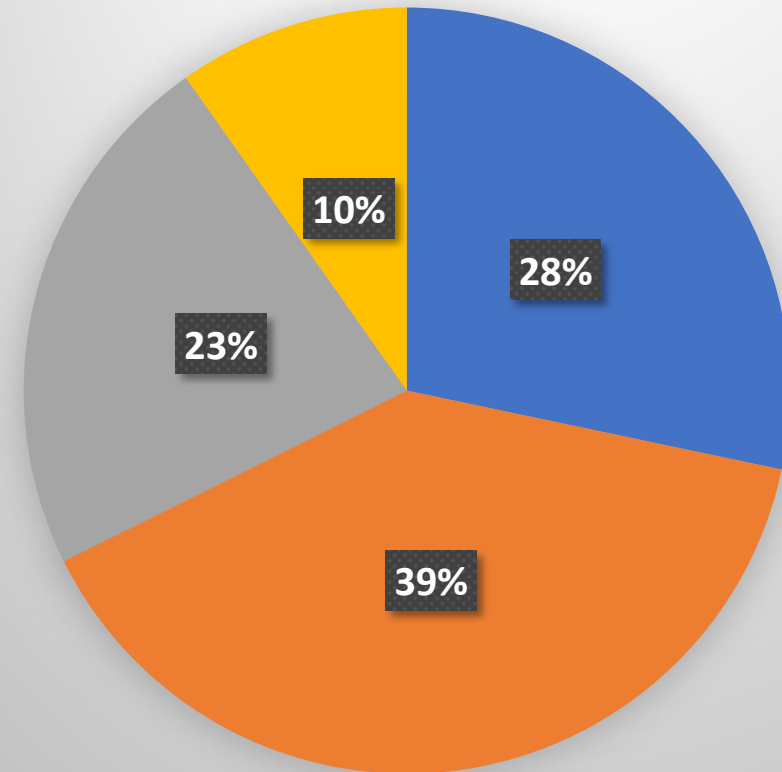
The main structure of the pesticidal market

■ herbicides ■ fungicides ■ insecticides ■ desiccants



Part of original active substances in the pesticidal products

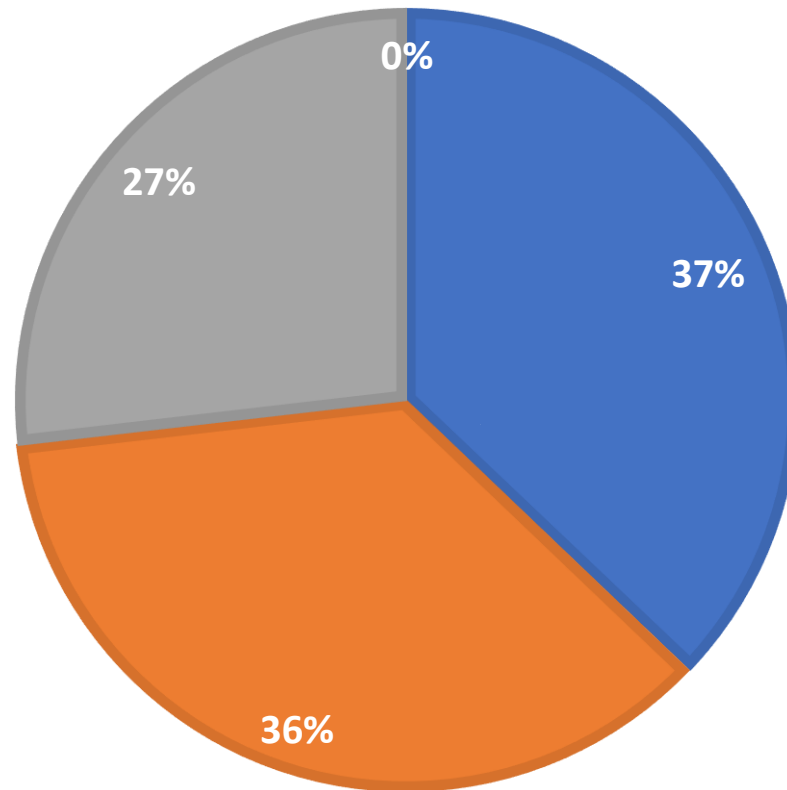
■ herbicides  
■ fungicides  
■ insecticides  
■ desiccants





# The structure of the Russian market

**Part of combination pesticidal products**  
■ herbicides ■ fungicides ■ insecticides ■ desiccants





Thanks for your attention!

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