



# Belgian Veterinary Surveillance of Antibacterial Consumption

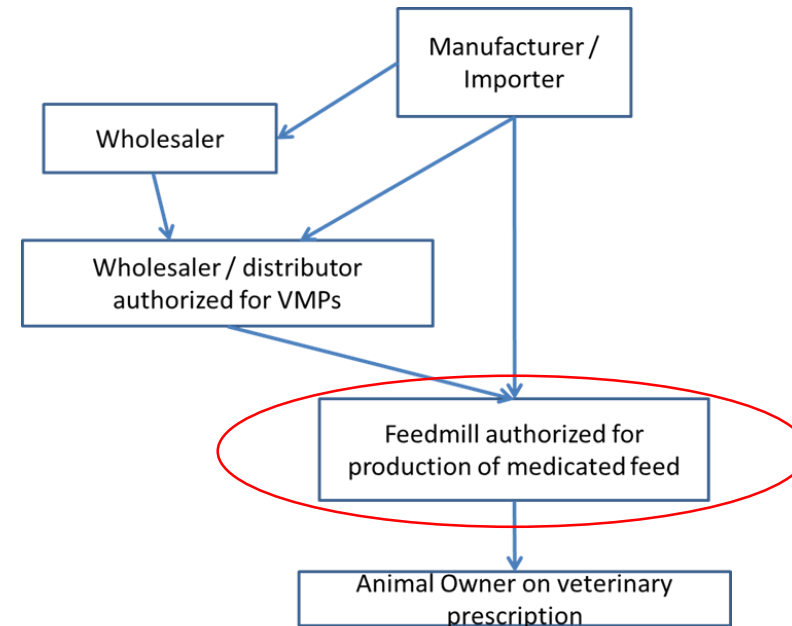
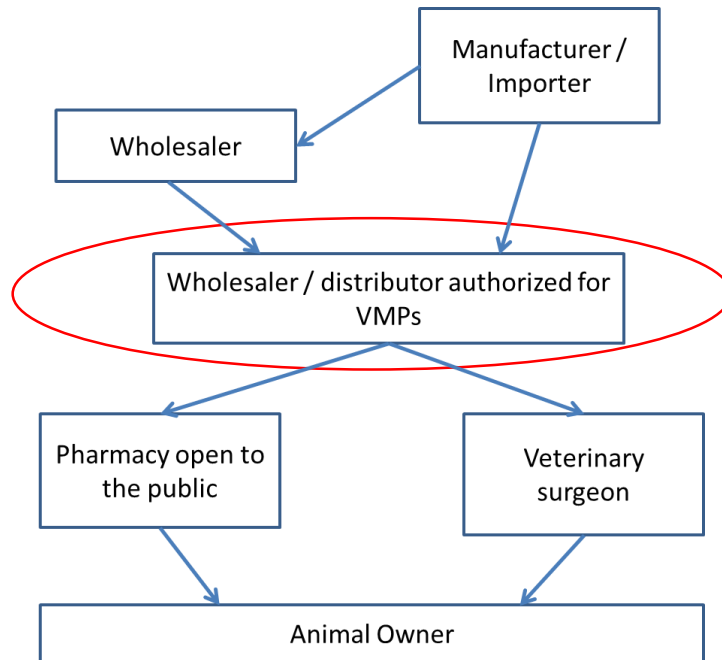
## National consumption report

2018

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## National consumption report

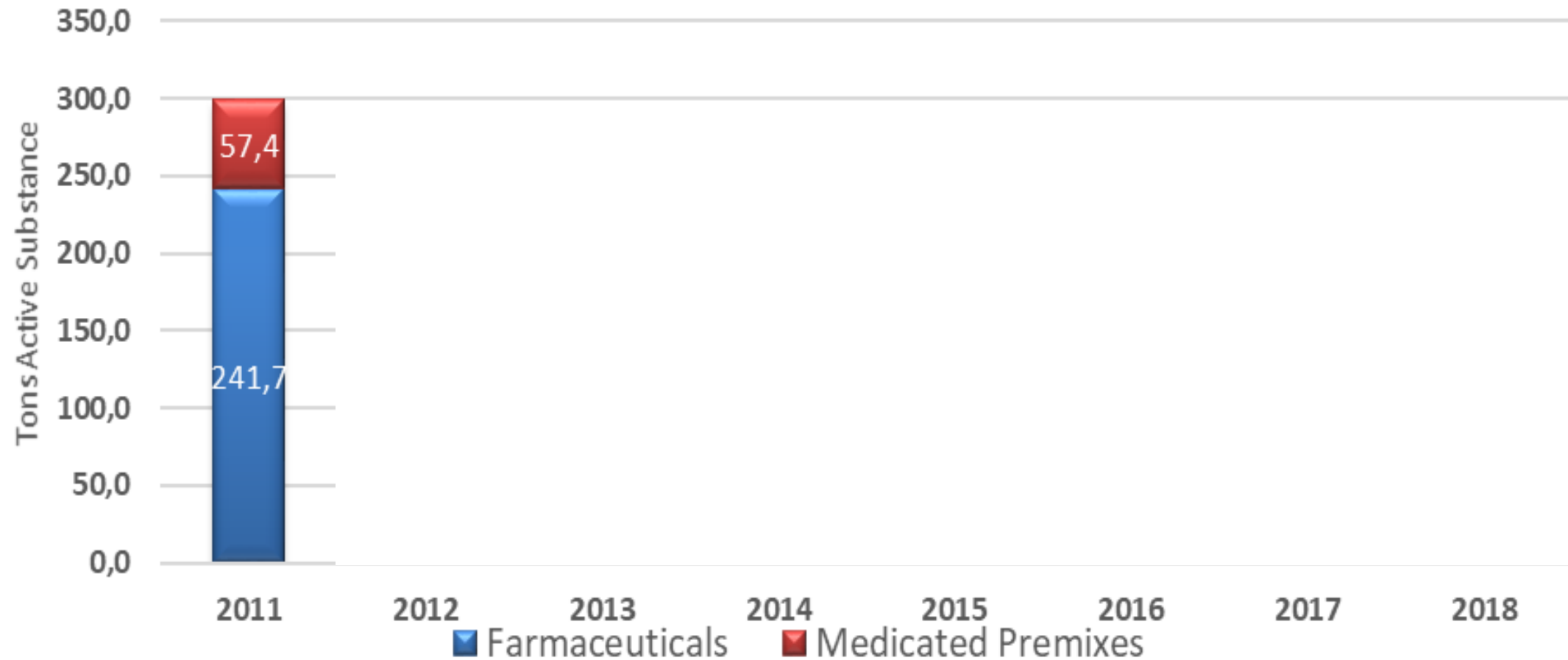
2018



## Biomassa geproduceerd tussen 2013 en 2018

Animal biomass	2013	2014	2015	2016	2017	2018
<b>Meat (ton)</b>						
Pork	1 130 570	1 118 330	1 124 310	1 060 540	1 044 560	1 073 120
Beef	249 910	257 670	267 880	278 360	281 540	277 310
Poultry	388 090	433 270	452 940	461 250	463 390	469 590
Sheep/goat <sup>a</sup>	2 410	2 560	2 720	3 020	3 230	3 090
<b>Total biomass from meat production</b>	<b>1 770 980</b>	<b>1 811 830</b>	<b>1 847 850</b>	<b>1 803 170</b>	<b>1 792 720</b>	<b>1 823 110</b>
<b>Dairy cattle</b>						
Dairy cattle (number)	515 990	519 090	528 780	529 780	519 160	529 250
Dairy cattle metabolic weight (ton)	257 995	259 545	264 390	264 890	259 580	264 625
<b>Total biomass (ton)</b>	<b>2 028 975</b>	<b>2 071 375</b>	<b>2 112 240</b>	<b>2 068 060</b>	<b>2 052 300</b>	<b>2 087 735</b>
<b>Evolution since previous year</b>	<b>-0.36%</b>	<b>+2.09%</b>	<b>+1.97%</b>	<b>-2.09%</b>	<b>-0.76%</b>	<b>+ 1.73%</b>

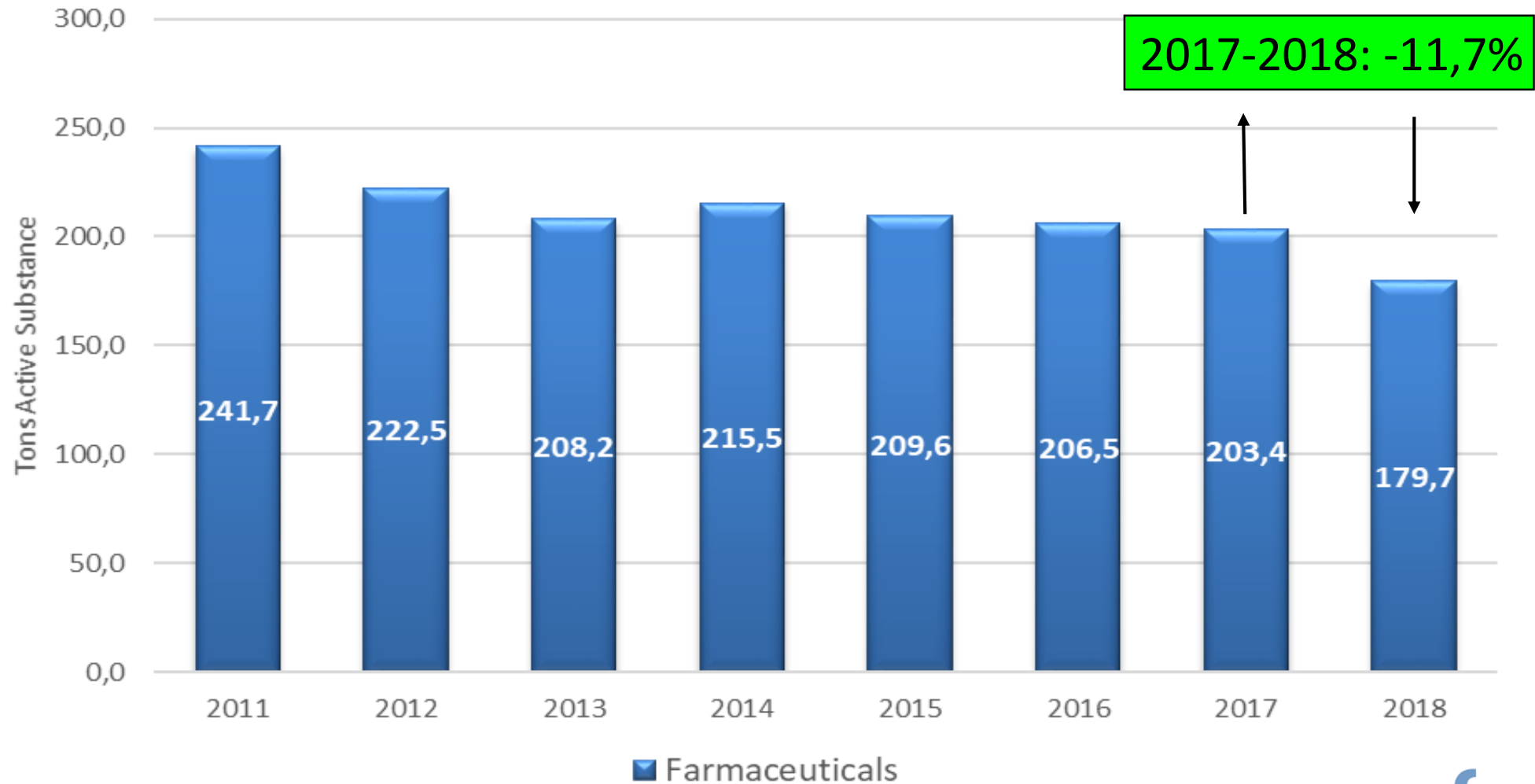
# Medicated Premixes & Pharmaceuticals



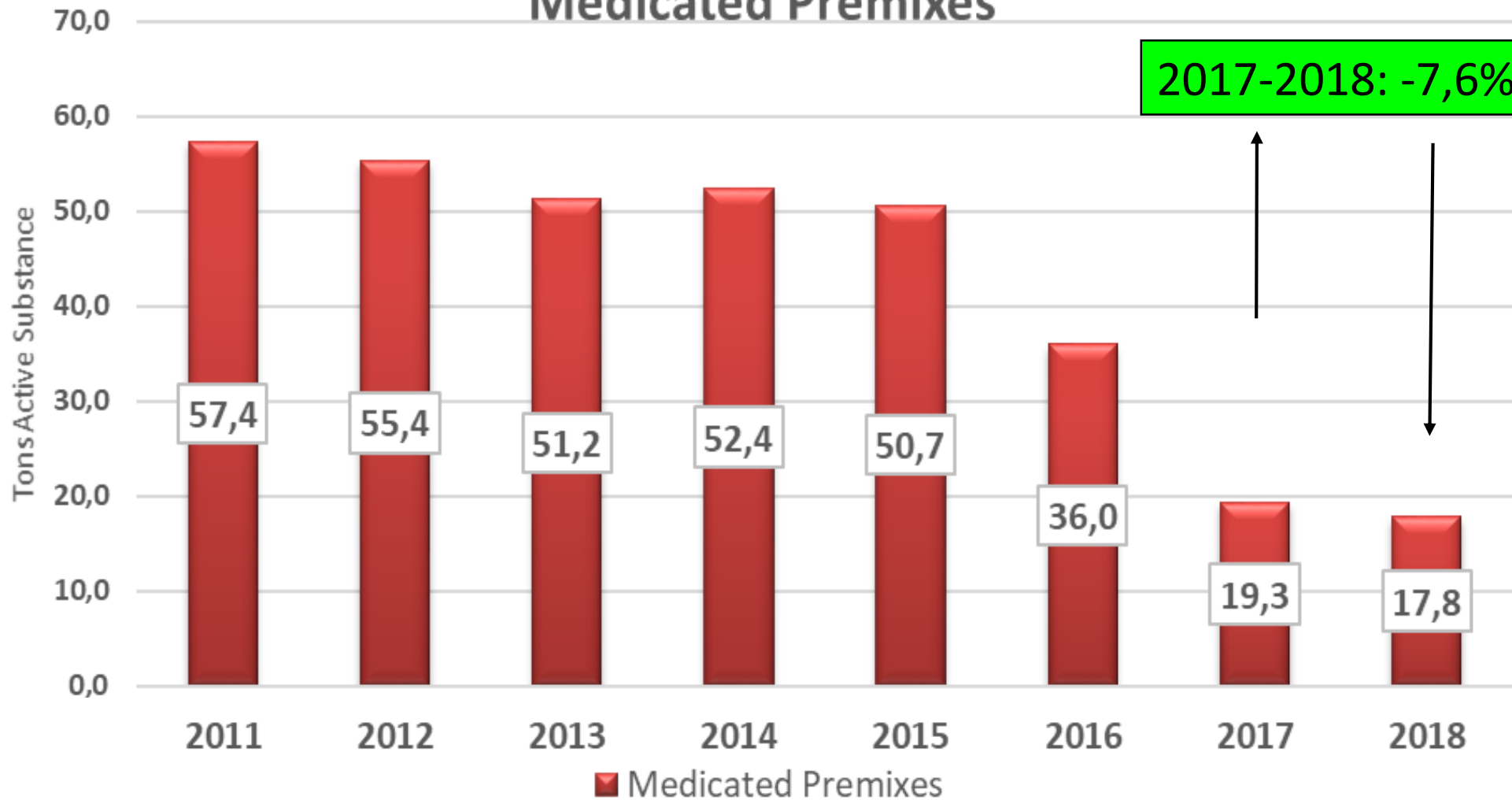
2017 -> 2018: -11,3%

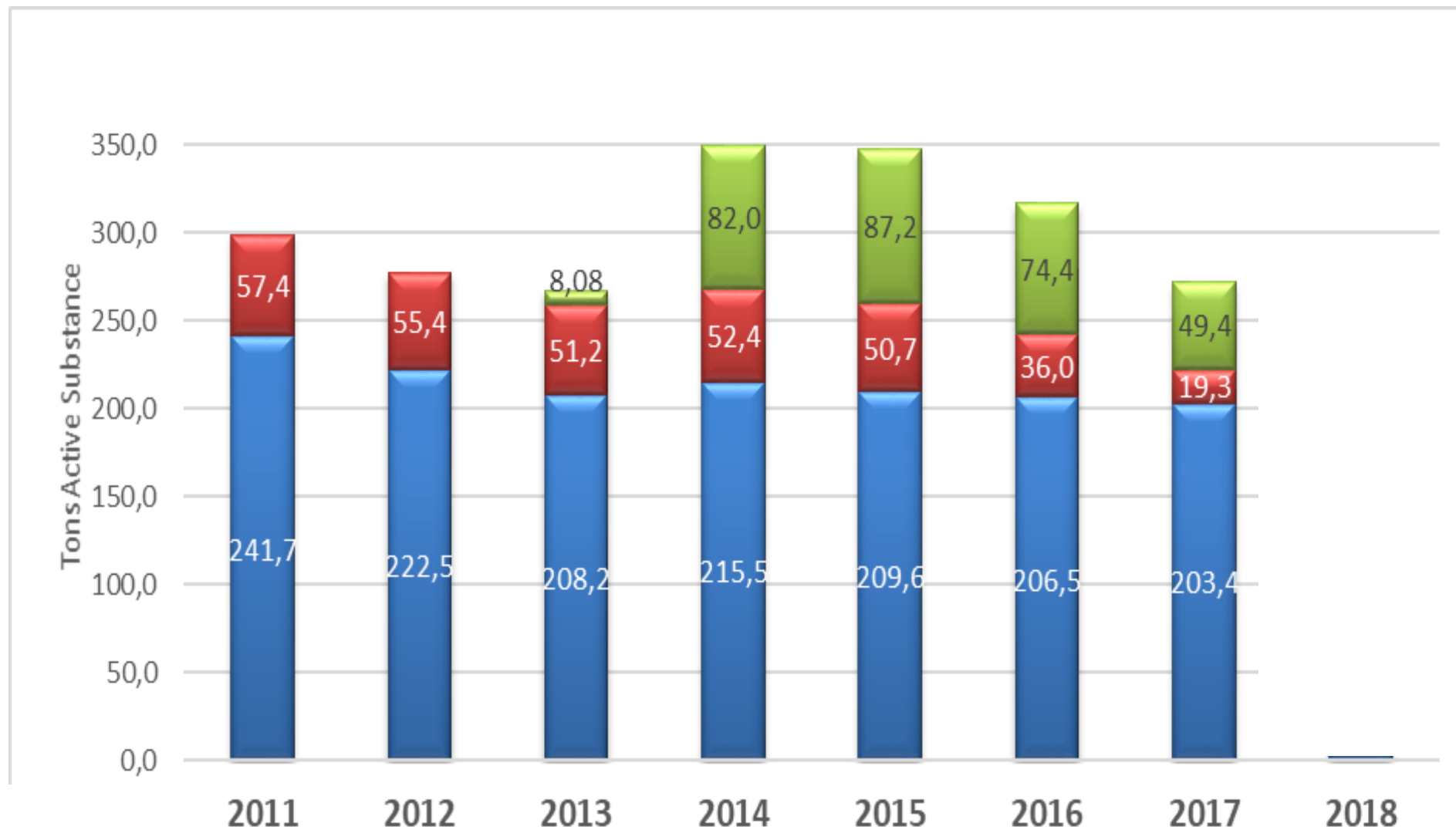
2011 -> 2018: -34,0%

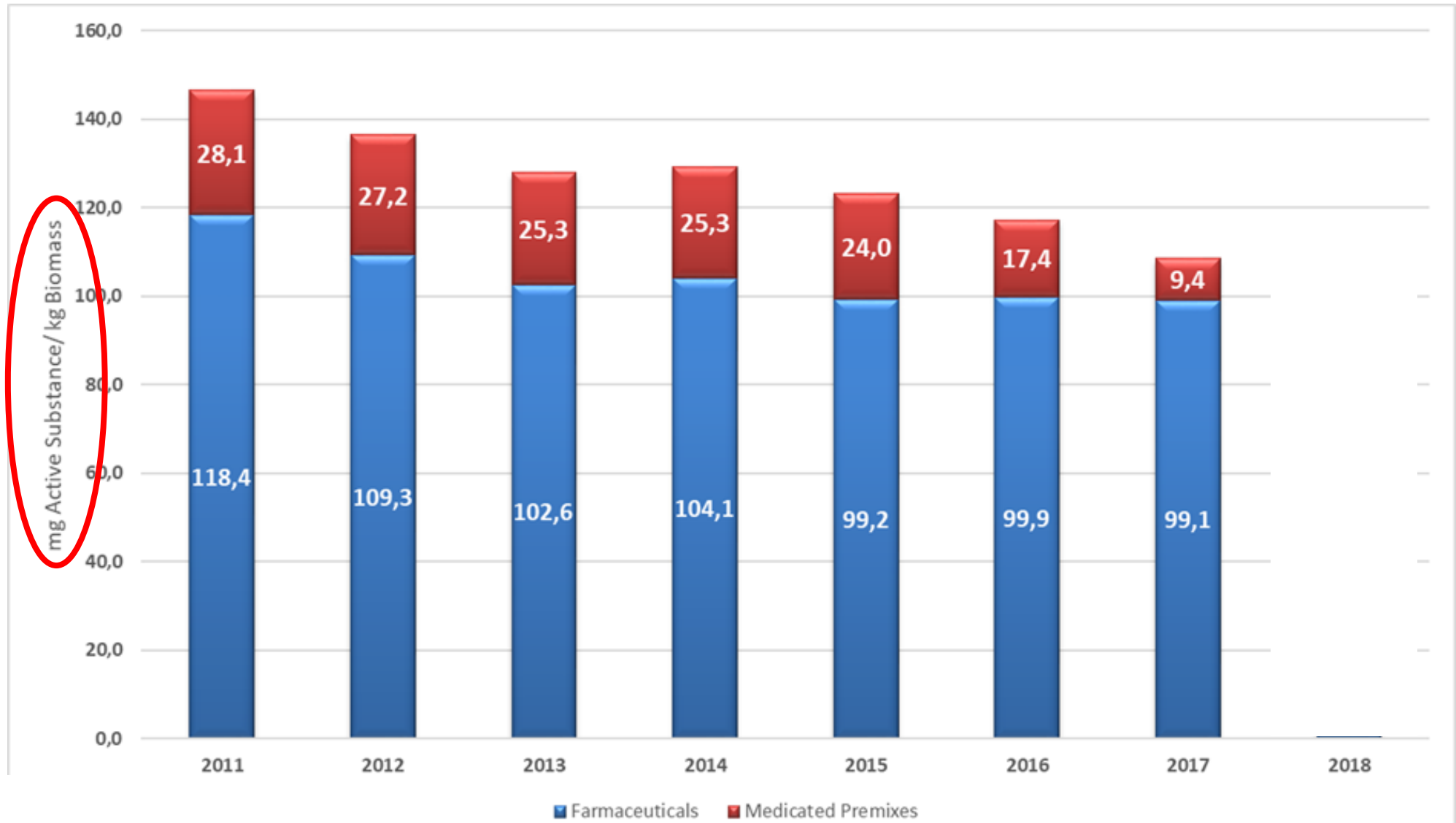
## Farmaceutica



## Medicated Premixes



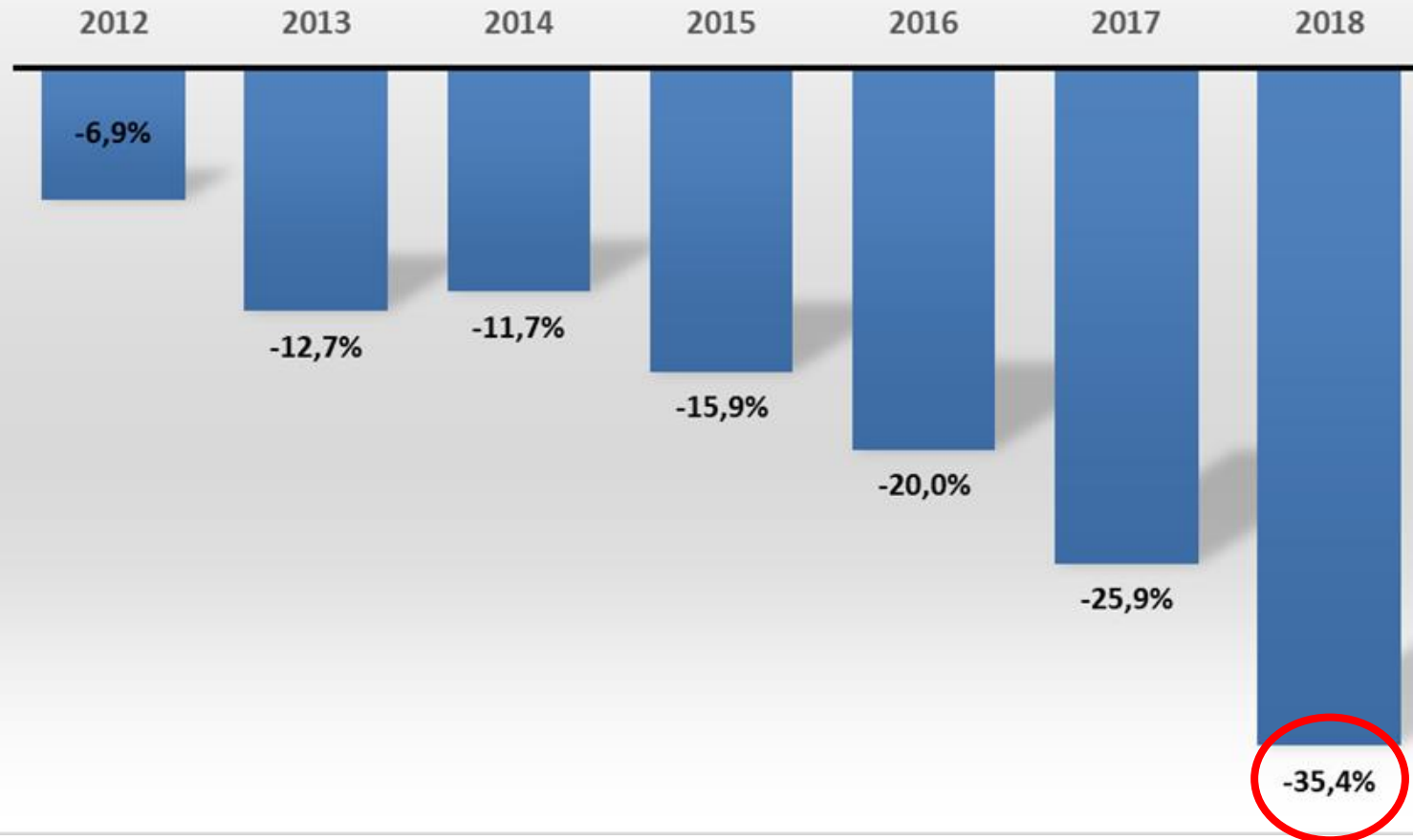




2017 -> 2018: -12,8%



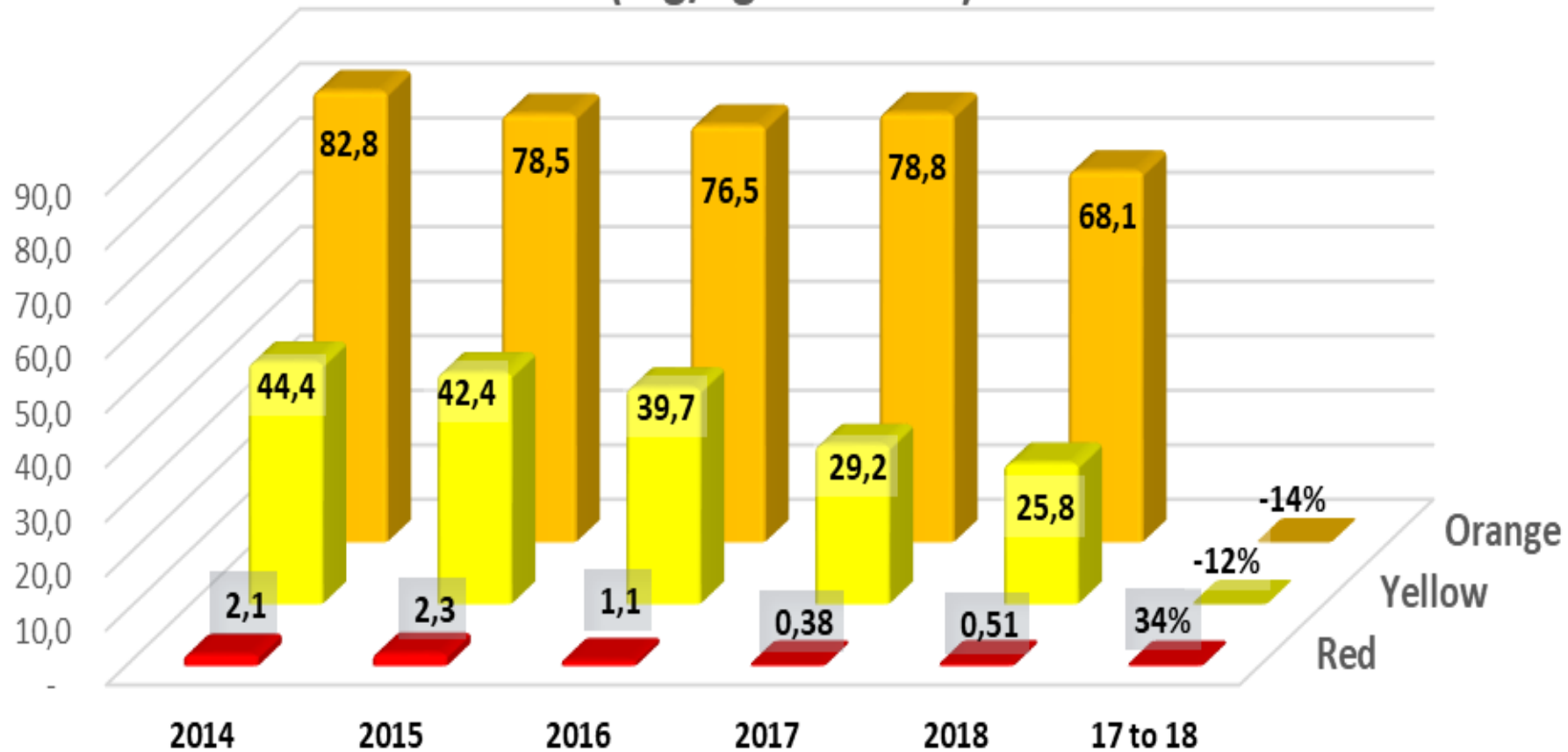
## Evolution of Antimicrobial consumption per biomass compared to 2011



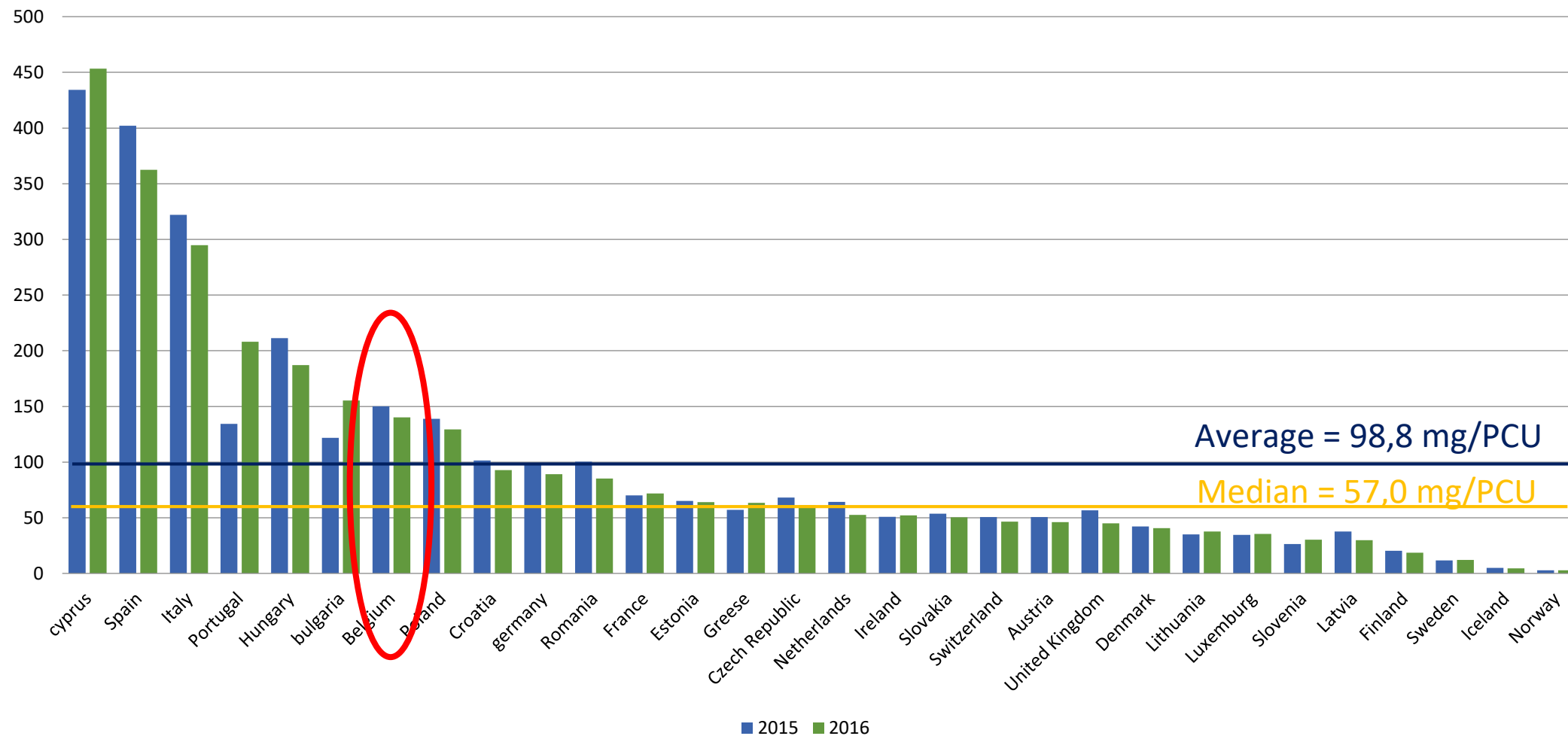
Class AB Mg/kg Biomass	2012	2013	2014	2015	2016	2017	2018	'12 » '13	'13 » '14	'14 » '15	'15 » '16	'16 » '17	'17 » '18	2018%
penicillins	40,55	39,88	39,91	38,09	42,03	40,96	35,78	-1,6%	0,1%	-4,6%	10,3%	-2,6%	-12,6%	33,01
tetracyclines	30,98	30,80	29,92	28,49	24,16	27,66	23,95	-0,6%	-2,8%	-4,8%	-15,2%	14,4%	-13,4%	22,10
sulphonam & trimethoprim	42,42	36,79	37,39	35,08	31,64	21,56	17,49	-13,3%	1,6%	-6,2%	-9,8%	-31,8%	-18,9%	16,14
macrolides	8,94	8,64	11,27	10,80	9,57	9,18	8,12	-3,4%	30,5%	-4,2%	-11,4%	-4,0%	-11,5%	7,49
aminosydes	4,09	3,99	4,34	4,47	4,48	4,49	3,94	-2,3%	8,8%	3,1%	0,2%	0,3%	-12,4%	3,63
polymixins	4,74	3,89	2,74	2,25	2,03	1,76	1,69	-18,0%	-29,6%	-17,6%	-9,9%	-13,3%	-4,1%	1,56
fenicols	0,71	0,75	0,78	0,99	1,46	1,50	1,59	5,8%	4,6%	26,5%	17,3%	3,0%	6,1%	1,47
other**	1,27	0,90	0,61	0,57	0,55	0,50	1,05	-28,9%	-32,3%	-6,1%	-3,8%	-9,4%	109,5%	0,97
quinolones	2,07	1,64	1,69	1,92	0,82	0,29	0,44	-21,1%	3,2%	13,7%	-57,5%	-64,2%	50,0%	0,40
cephalosporins 1° & 2° gen	0,35	0,35	0,39	0,37	0,44	0,41	0,37	-1,9%	12,7%	-4,4%	16,3%	-6,7%	-7,8%	0,35
cephalosporins 3° & 4° gen	0,40	0,41	0,38	0,35	0,25	0,09	0,07	3,7%	-7,0%	-9,5%	-28,3%	-65,9%	-19,2%	0,06
Total mg/kg Biomas	136,51	128,02	129,42	123,39	117,43	108,40	94,50	-6,22%	1,09%	-4,66%	-4,83%	-7,69%	-12,83%	100

Polymixines 2012 -> 2017: -64,4%

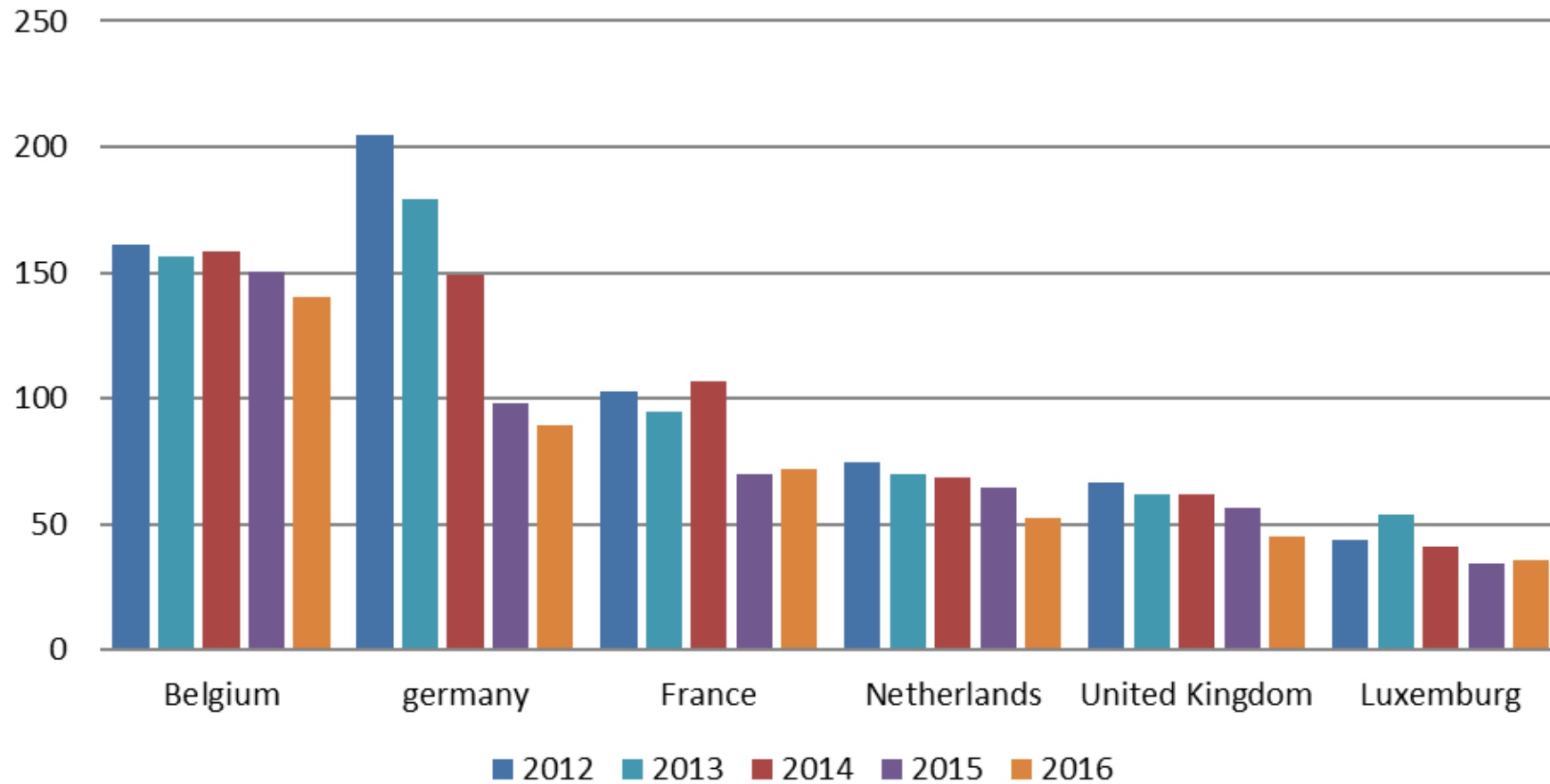
## Antimicrobial pharmaceuticals and medicated permixes (mg/kg biomassa)



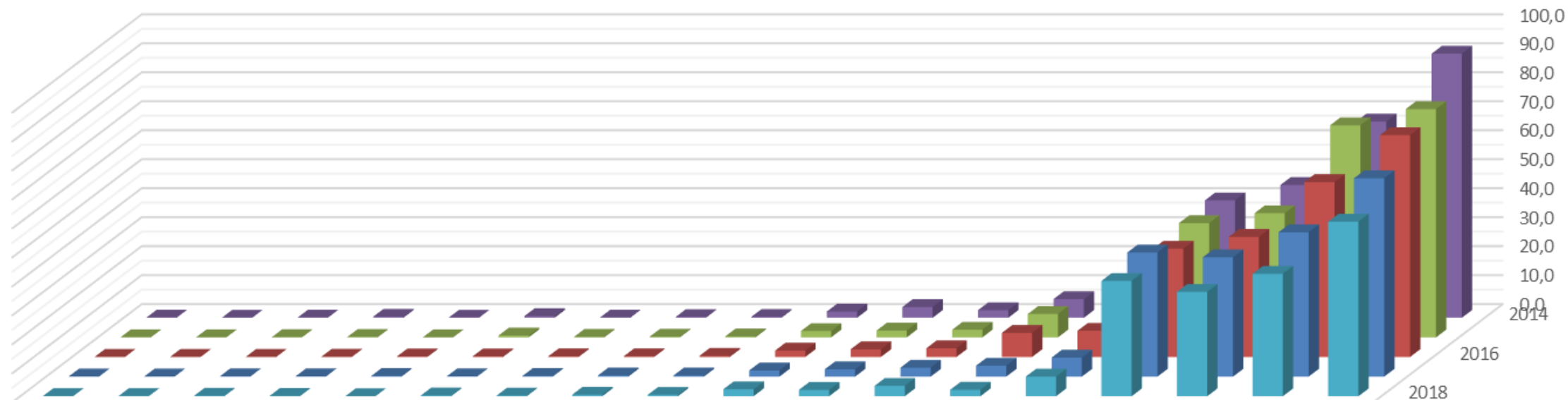
## Antimicrobial use in mg/PCU (ESVAC)



## Antimicrobial use in mg/PCU (ESVAC) of Belgium and neighbouring countries

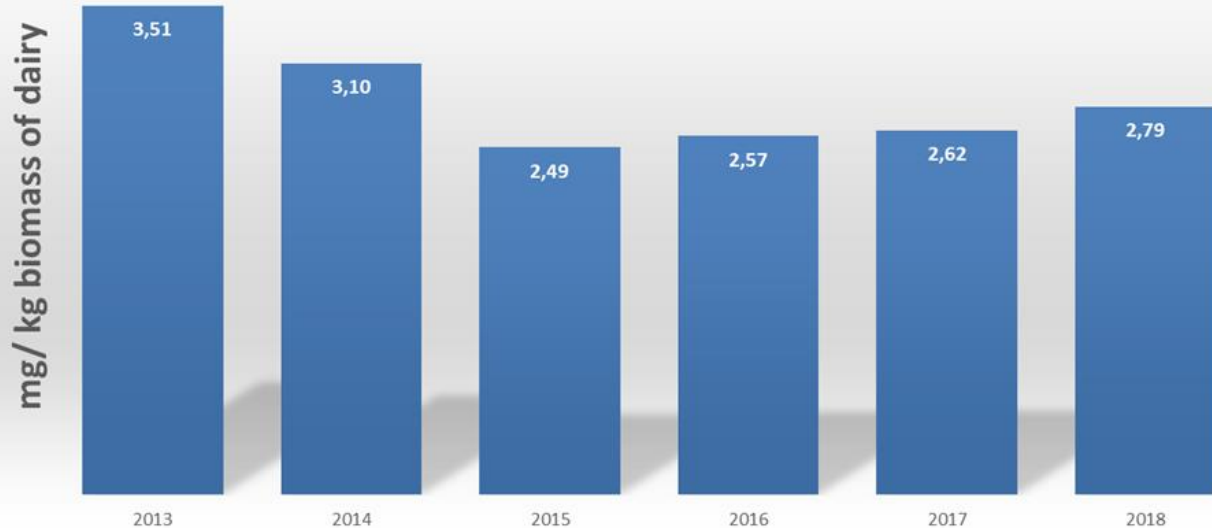


Total Sales of Tone Active ingredient by species indicated

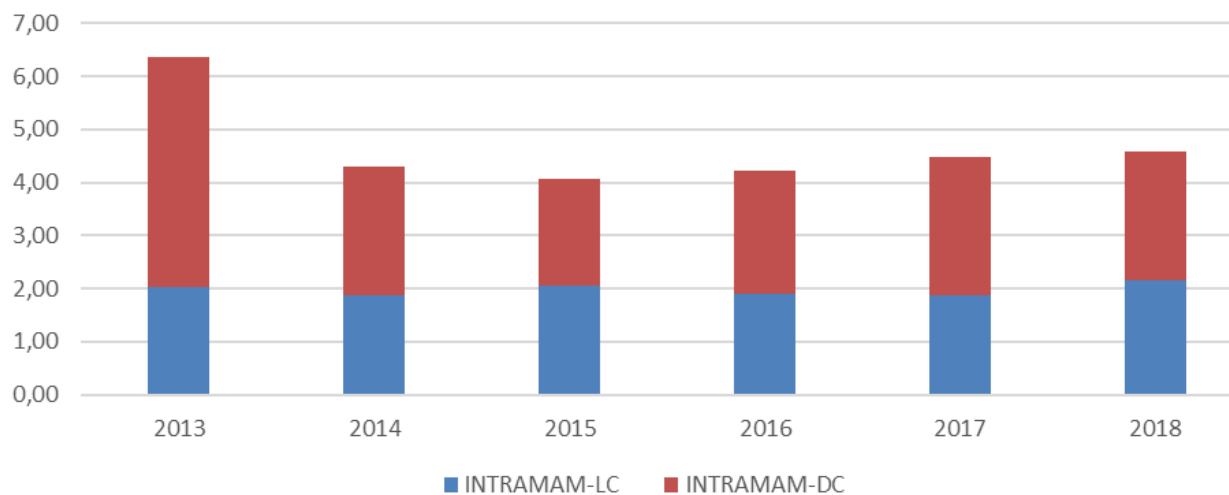


	Bovine & Sheep	Horse	Bovine Pig Horse & Companion Animal	Other	Bovine & Companion Animal	Bovine & Poultry	Pig & Sheep	Bovine Pig & Horse	Bovine Pig & Companion Animal	Companion Animal	Bovine & Pig & Sheep +	Bovine Only	Bovine Pig & Sheep	Poultry Only	Bovine & Pig	Bovine Pig & poultry	Pig & Poultry	Pig Only
■ 2018	0,1	0,1	0,2	0,1	0,0	0,3	0,2	0,5	0,5	2,4	2,2	3,6	2,2	6,8	39,8	36,0	42,2	60,3
■ 2017	0,1	0,1	0,1	0,1	0,2	0,1	0,2	0,4	0,4	2,1	2,5	3,1	3,8	6,6	42,8	41,2	49,8	68,5
■ 2016	0,1	0,1	0,1	0,1	0,2	0,2	0,2	0,3	0,4	2,2	2,7	3,0	8,3	9,0	37,4	41,5	60,4	76,6
---		0,1	0,1	0,2	0,1	0,6	0,2	0,2	0,3	2,2	2,3	2,6	8,1	9,1	39,4	42,8	73,2	78,8
---		0,0	0,1	0,4	0,1	0,6	0,1	0,2	0,3	2,2	3,7	2,6	6,5	6,0	40,5	45,8	67,7	91,2

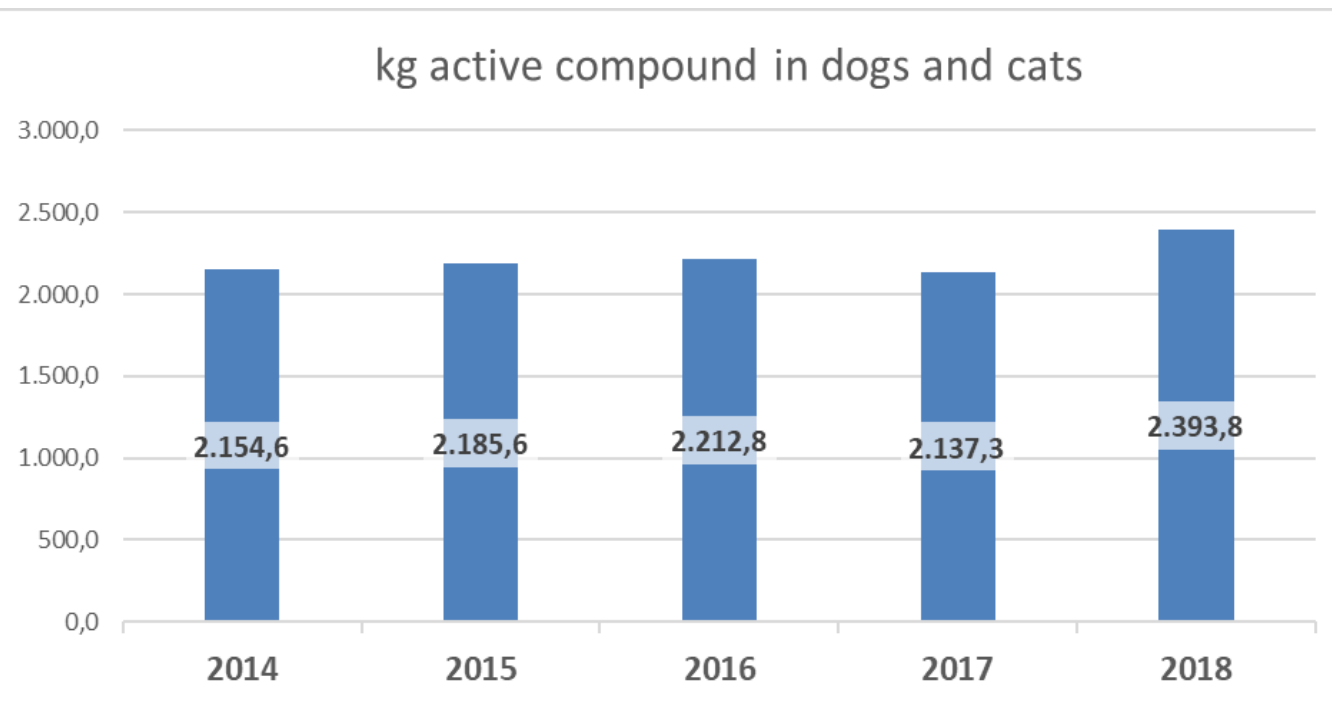
Evolution of antimicrobial for intramammary Use (mg/kg)



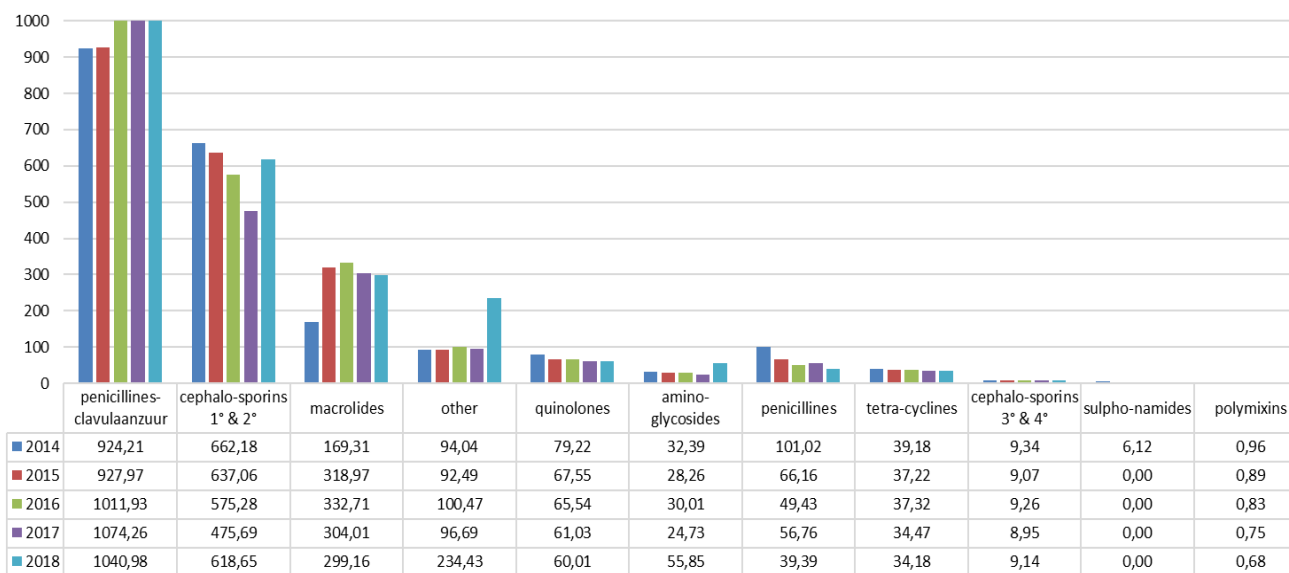
Number of Applicator LC & DC / Cow / Year



## kg active compound in dogs and cats

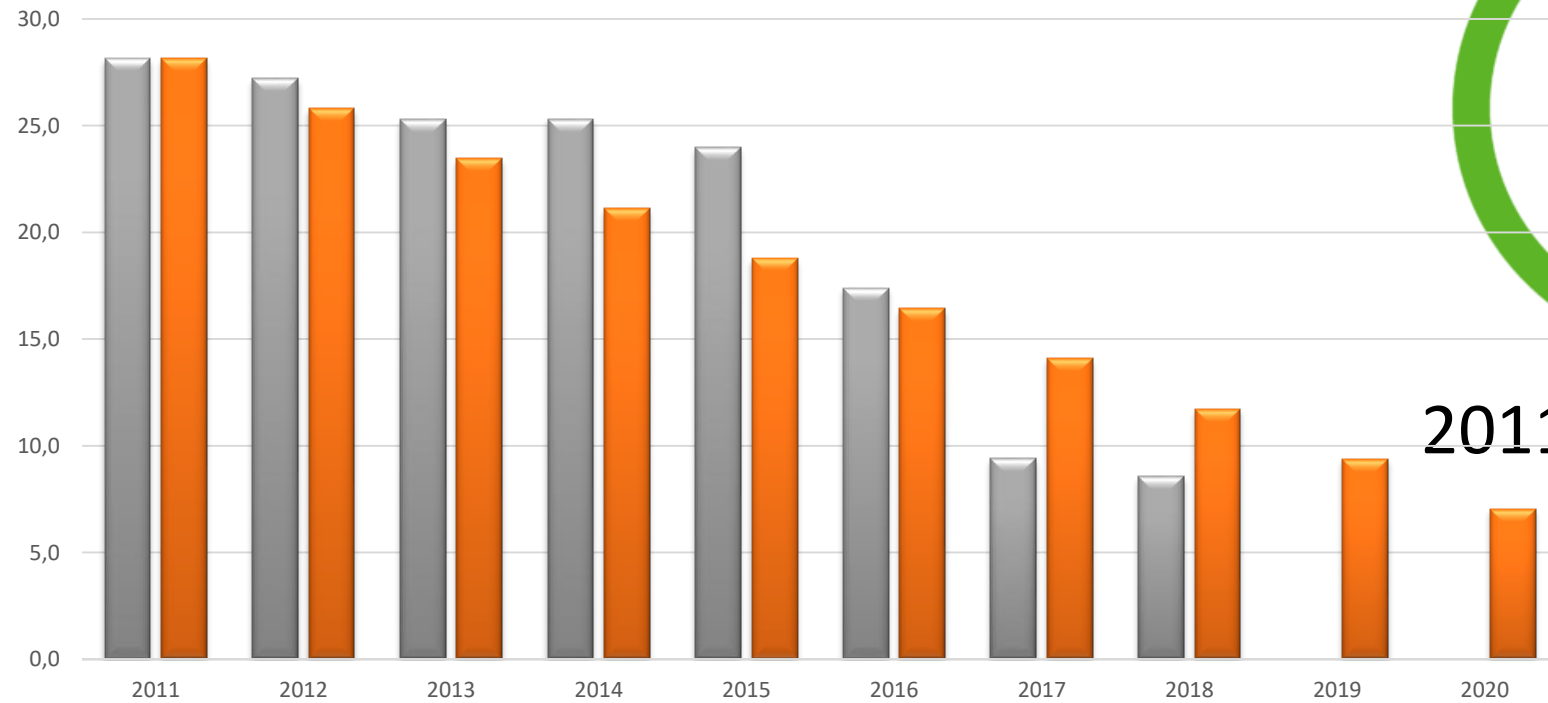


## use (kg active compound) of different antibacterial classes in cats and dogs



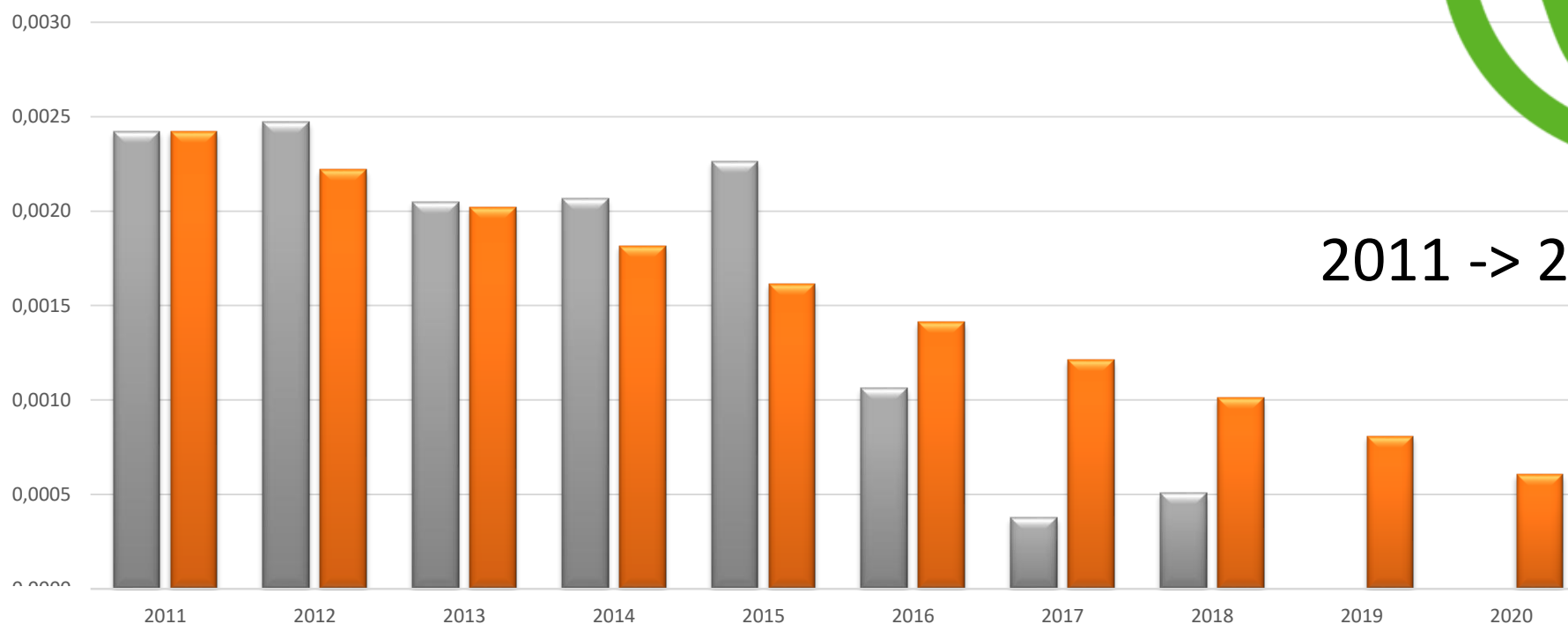


### Evolution of premix consumption in reference to 2011 (AMCRA 2020 plan)



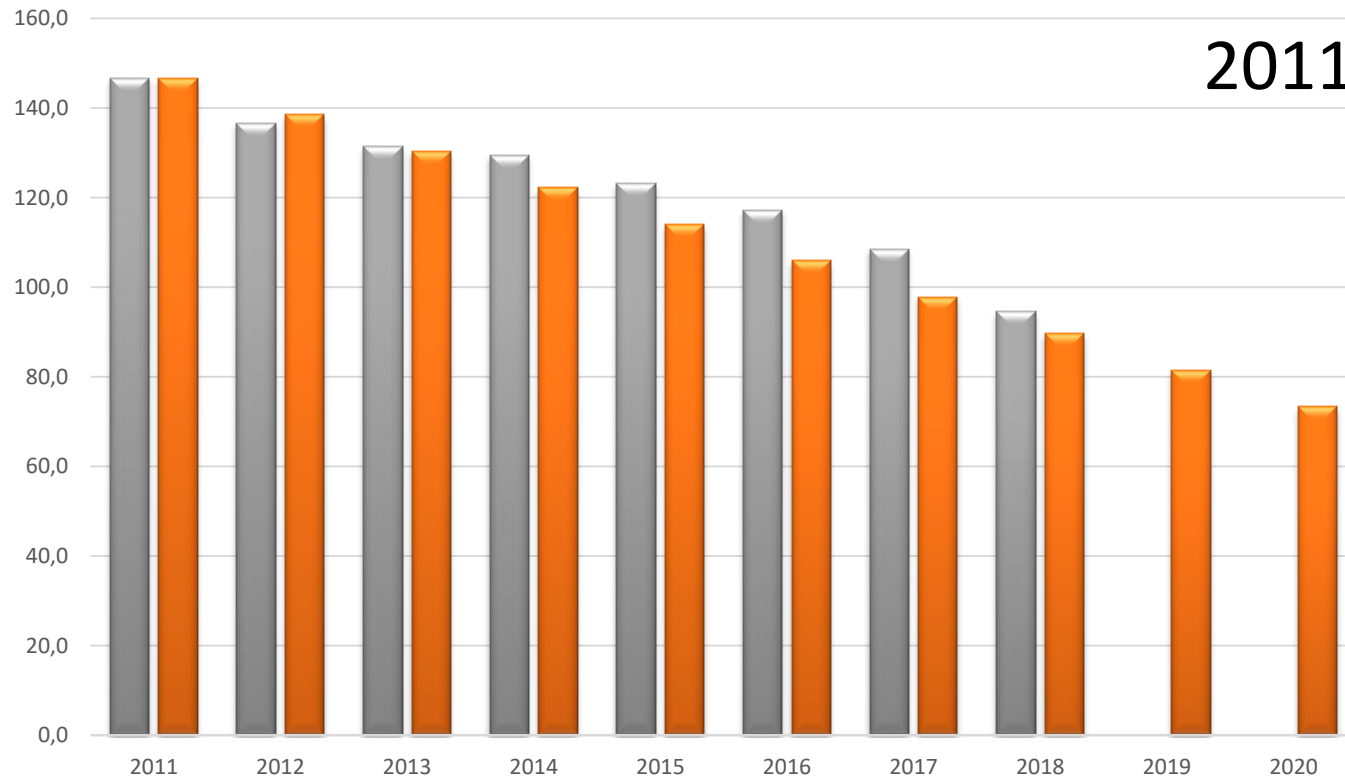
2011 -> 2018: -69,6%

Evolution total consumption of red molecules in reference to 2011 (AMCRA 2020 plan)



2011 -> 2018: -79,1%

Evolution total consumption in reference to 2011 (AMCRA 2020 plan)



2011 -> 2018: -35,4%



Never ever give up!

