

# ANNUAL ANIMAL HEALTH REPORT

OIE Reference: 3548

Report period: Jan-Dec 2017

Country: Belgium

## Report Summary

<b>Animal type</b>	Terrestrial and Aquatic	<b>Date of report</b>	10/01/2018
<b>Submitted</b>	Yes	<b>Report Period:</b>	Jan-Dec 2017
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## 1. Summary on OIE-listed diseases/infections present in Belgium

OIE-Listed disease	occurrence	Serotype(s)	New outbreaks	Total outbreaks	Species	Control Measures	Official vaccination	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Aujeszky's disease (Wild)	+(?)	No	175	175	fau	M		Animals	...	175	0	0	175	0
Q fever (Domestic)	+		...	...	***	M GSu V	...	Animals	...	...	...	...	...	...
					bov		...	Animals	...	...	...	...	...	...
					buf		...	Animals	...	...	...	...	...	...
					cap		...	Animals	...	...	...	...	...	...
					o/c		...	Animals	...	...	...	...	...	...
					ovi		...	Animals	...	...	...	...	...	...
Paratuberculosis (Wild)	+	No	9	9	fau	M Cr		Animals	...	9	4	5	0	0
Brucellosis (Brucella suis) (Domestic and Wild)	+(?)	No	...	...	***	Te Vp	...	Animals	...	...	...	...	...	...
					bov	* Qf M GSu TSu Qi Z Cr		Animals	...	...	...	...	...	...
					sui	* Qf M GSu TSu Qi Z Cr		Animals	...	...	...	...	...	...
					fau	M		Animals	...	6	0	0	6	0
Echinococcus multilocularis (Infection with) (Wild)	+(?)		...	...	fau	*		Animals	...	...	...	...	...	...
Bovine tuberculosis (Domestic)	+	No	5	5	***	* Qf M Te GSu TSu Qi Sd Vp Cr	...	Animals	...	...	...	...	...	...
					bov			Animals	756	28	...	...	406	0
Inf.bov.rhinotracheit. (IBR/IPV) (Domestic)	+	No	1	1	bov	* Qf M Te GSu TSu Qi V	...	Animals	130	1	0	...	...	...
Bovine viral diarrhoea (Domestic)	+(?)	...	...	...	***	M Te GSu TSu Qi A S	...	Animals	...	...	...	...	...	...
Caprine arthritis/encephalitis (Domestic)	+(?)		...	...	cap	M Te TSu		Animals	...	...	...	...	...	...

OIE-Listed disease	occurrence	Serotype(s)	New outbreaks	Total outbreaks	Species	Control Measures	Official vaccination	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Maedi-visna (Domestic)	+?		...	...	ovi	* Qf M Te TSu		Animals	...	...	...	...	...	...
Contagious equine metritis (Domestic)	+?	...	...	...				Animals	...	...	...	...	...	...
Equine influenza (Domestic)	+	...	...	...				Animals	...	...	...	...	...	...
Equine viral arteritis (Domestic)	+?	...	...	...				Animals	...	...	...	...	...	...
Equid herpesvirus-1 (EHV-1) (Infection with) (Domestic)	+	...	...	...				Animals	...	...	...	...	...	...
Highly path. avian influenza (Domestic)	+()	H5N8	2	2	avi	* Qf TSu Qi S Z Vp		Animals	5019	1650	500	4519	0	...
Mycoplasmosis (M. gallisepticum) (Domestic)	+	No	6	6	avi	* Te Qi		Animals	...	...	...	...	...	...
Avian chlamydiosis (Domestic)	+	No	5	5	avi			Animals	...	...	...	...	...	...
Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds) (Domestic and Wild)	+()	H5N8	16	16	***	* S Z Vp Cr	...	Animals	...	...	...	...	...	...
					fau	M GSu TSu		Animals	67	6	18	55	0	...
					avi			Animals	488	201	201	287	0	...
American foulbrood of honey bees (Domestic)	+()	No	3	3	api	* Qf TSu Qi Z		Hives	19	5	0	6	0	...
European foulbrood of honey bees (Domestic)	+()	No	1	1	api	* TSu Qi Sd Z		Hives	6	1	0	1	0	...

OIE-Listed disease	occurrence	Serotype(s)	New outbreaks	Total outbreaks	Species	Control Measures	Official vaccination	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Varroosis of honey bees (Domestic)	+?	...	...	...				Hives	...	...	...	...	...	...
Viral haemorrhagic septicaemia (Domestic)	+	No	1	1	pis	* Qf TSu Qi Sd Z		Animals	...	...	...	...	...	0
Koi herpesvirus disease (Domestic)	+()	No	3	3	pis	* Qf TSu Qi Sd Z Vp		Animals	15	...	10	...	...	0

## 2. OIE-listed diseases absent in Belgium during the reporting period or never reported

### Multiple species

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Anthrax (Domestic)	-	bov	* Qf TSu	
		buf	* Qf TSu	
		cap	* Qf TSu	
		equ	* Qf TSu	
		o/c	* Qf TSu	
		ovi	* Qf TSu	
		sui	* Qf TSu	
Aujeszky's disease (Domestic)	12/2016	sui	* Qf GSu TSu Qi S Vp	
Bluetongue (Domestic)	12/2008	bov	* Qf Te GSu Qi	
		buf	* Qf Te GSu Qi	
		cap	* Qf Te GSu Qi	
		o/c	* Qf Te GSu Qi	
		ovi	* Qf Te GSu Qi	
Bluetongue (Wild)	2008	fau	* M	
Brucellosis (Brucella abortus) (Domestic)	12/08/2013	bov	* Qf M Te GSu TSu Qi S Z Vp Cr	
		buf	* Qf M Te GSu TSu Qi S Z Vp Cr	
		cap	* Qf M Te GSu TSu Qi S Z Vp Cr	
		cer	* Qf M Te GSu TSu Qi S Z Vp Cr	
		o/c	* Qf M Te GSu TSu Qi S Z Vp Cr	
		ovi	* Qf M Te GSu TSu Qi S Z Vp Cr	
Crimean Congo haemorrhagic fever (Domestic and Wild)	0000	fau	*	
Echinococcus granulosus (Infection with) (Domestic and Wild)	-	***	*	
Echinococcus multilocularis (Infection with) (Domestic)	-	***	* M GSu	
Equine encephalomyelitis (Eastern) (Domestic and Wild)	0000	***	*	
		equ	Qf	
Foot and mouth disease (Domestic)	02/1976	***	* Qf M Te GSu TSu Qi S Z Vp	
Foot and mouth disease (Wild)	-	fau	* TSu Vp	
Heartwater (Domestic)	-			
Japanese encephalitis (Domestic and Wild)	0000	***	* Qf	
New world screwworm (Cochliomyia hominivorax) (Domestic and Wild)	0000			
Old world screwworm (Chrysomya bezziana) (Domestic and Wild)	-			
Paratuberculosis (Domestic)	12/2016	***	Te GSu Sd	
Q fever (Wild)	-	fau	* M GSu	
Rabies (Domestic)	2008	***	* Qf TSu	...
		can	V	...
		fel	V	...
Rabies (Wild)	-	fau	* TSu	

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Rift Valley fever (Domestic and Wild)	0000	o/c	* Qf TSu Qi S Vp	
		ovi	* Qf TSu Qi S Vp	
		bov	* Qf TSu Qi S Vp	
		buf	* Qf TSu Qi S Vp	
		cap	* Qf TSu Qi S Vp	
		fau	*	
Rinderpest (Domestic)	1920	***	* Qf GSu S Vp	
Rinderpest (Wild)	1920	fau	* Qf GSu Vp	
Trichinellosis (Domestic)	-	***	* Qf GSu	
		sui	M Te	
Tularemia (Domestic)	-	lep	*	
Tularemia (Wild)	2011	fau	TSu	
West Nile Fever (Domestic and Wild)	0000	***	* TSu	
		equ	Qf	
		fau	M	

### Cattle

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Bovine anaplasmosis (Domestic)	12/2016			
Bovine babesiosis (Domestic)	06/2013			
Bovine babesiosis (Wild)	-			
Bovine genital campylobacteriosis (Domestic)	06/2013			
Bovine spongiform encephalopathy (Domestic)	10/2006	bov	* Qf Te TSu	
Bovine spongiform encephalopathy (Wild)	-	fau	*	
Bovine tuberculosis (Wild)	-	fau	* TSu	
Contagious bovine pleuropneumonia (Domestic)	1897	***	* Qf Qi S	
Enzootic bovine leukosis (Domestic)	-	bov	* Qf Te TSu Qi	
Enzootic bovine leukosis (Wild)	-	fau	*	
Haemorrhagic septicaemia (Domestic)	-	***	*	
Infectious bovine rhinotracheitis/infectious pustular vulvovaginitis (Wild)	-			
Lumpy skin disease (Domestic and Wild)	0000	***	*	
		bov	Qf GSu TSu Qi S	
		buf	Qf GSu TSu Qi S	
Theileriosis (Domestic)	-			
Trichomonosis (Domestic)	06/2013			
Trichomonosis (Wild)	-			
Trypanosomosis (Domestic and Wild)	0000			

### Sheep/Goats

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Contagious agalactia (Domestic and Wild)	-			
Contagious caprine pleuropneumonia (Domestic and Wild)	0000			
Enzootic abortion of ewes (ovine chlamydiosis) (Domestic)	06/2013			
Nairobi sheep disease (Domestic and Wild)	-			
Ovine epididymitis (Brucella ovis) (Domestic and Wild)	0000	***	* TSu	
Peste des petits ruminants (Domestic and Wild)	0000	***	* Qf TSu Vp	
		o/c	S	
		ovi	S	
		bov	S	
		cap	S	
Salmonellosis (S. abortusovis) (Domestic)	-	ovi	*	
Scrapie (Domestic)	06/2007	***	* Qf TSu Qi Z	
Scrapie (Wild)	-			
Sheep pox and goat pox (Domestic and Wild)	0000	***	*	
		o/c	Qf TSu Qi S Z Vp	

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
		ovi	Qf TSu Qi S Z Vp	
		cap	Qf TSu Qi S Z Vp	

### Swine

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
African swine fever (Domestic)	05/1985	sui	* Qf TSu Qi S Z	
African swine fever (Wild)	-	fau	* TSu Qi Z	
Classical swine fever (Domestic)	1997	sui	* Qf TSu Qi S Z Vp	
Classical swine fever (Wild)	10/2002	fau	* TSu Qi Z	
Nipah virus encephalitis (Domestic and Wild)	0000	***	*	
Porcine cysticercosis (Domestic)	-	sui	GSu	
Porcine cysticercosis (Wild)	-			
Porcine reproductive and respiratory syndrome (Domestic)	06/2013			
Porcine reproductive and respiratory syndrome (Wild)	-			
Transmissible gastroenteritis (Domestic)	06/2013			

### Equidae

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
African horse sickness (Domestic and Wild)	0000	***	*	
		equ	Qf TSu Qi Z Vp	
Dourine (Domestic and Wild)	0000	***	*	
		equ	Qf M GSu TSu Qi	
Equine encephalomyelitis (Western) (Domestic and Wild)	0000	***	*	
		equ	Qf TSu Qi	
Equine infectious anaemia (Domestic)	-	equ	* Qf GSu TSu Qi Sd	
Equine piroplasmiasis (Domestic)	12/2016			
Glanders (Domestic)	-	equ	* Qf TSu Qi	
Venezuelan equine encephalomyelitis (Domestic and Wild)	0000	***	*	
		equ	Qf TSu Qi	

### Lagomorphs

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Myxomatosis (Domestic)	12/2013			
Myxomatosis (Wild)	06/2015	fau	*	
Rabbit haemorrhagic disease (Domestic)	12/2013			

### Birds

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Avian chlamydiosis (Wild)	09/2014			
Avian infectious bronchitis (Domestic)	06/2013			
Avian infectious laryngotracheitis (Domestic)	06/2013			
Avian infectious laryngotracheitis (Wild)	-			
Avian mycoplasmosis (M.synoviae) (Domestic)	12/2014	avi	* S	
Duck virus hepatitis (Domestic)	-			
Fowl typhoid (Domestic)	2006	avi	* Qf TSu Qi S V	...
Infectious bursal disease (Gumboro disease) (Domestic)	06/2013			
Infectious bursal disease (Gumboro disease) (Wild)	-			
Low pathogenic avian influenza (poultry) (Domestic)	01/2009	avi	* Qf TSu Qi S Z Vp	
Newcastle disease (Domestic)	08/2010	avi	* Qf TSu Qi S Z V	...
Pullorum disease (Domestic)	-	avi	* Qf TSu Qi S V	...
Turkey rhinotracheitis (Domestic)	-			

### Bees

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Acaraposis of honey bees (Domestic)	2000	api	* TSu Qi Z T	
Small hive beetle infestation (Aethina tumida) (Domestic and Wild)	0000	api	* Qf TSu Qi Z	

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Tropilaelaps infestation of honey bees (Domestic and Wild)	0000	api	* Qf TSu Qi Z	

#### Other

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Camelpox (Domestic)	0000			
Leishmaniosis (Domestic)	-			

#### Fish

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Epizootic haematopoietic necrosis (Domestic and Wild)	0000	pis	* Qf TSu Qi S Z	
Infectious haematopoietic necrosis (Domestic)	08/2015	pis	* Qf TSu Qi Sd Z	
Infectious haematopoietic necrosis (Wild)	-			
Infectious salmon anaemia virus (HPR-deleted or HPR0 genotypes) (Infection with) (Domestic and Wild)	0000	***	* Qf TSu Qi Sd Z	
Spring viraemia of carp (Domestic)	06/2014	pis	* Qf TSu Qi Sd Z	
Spring viraemia of carp (Wild)	-			

#### Molluscs

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Infection with Bonamia exitiosa (Domestic and Wild)	0000	mol	* Qf TSu Qi S Z	
Infection with Bonamia ostreae (Domestic)	2008	mol	* Qf TSu Qi Sd Z	
Infection with Marteilia refringens (Domestic and Wild)	0000	mol	* Qf TSu Qi Sd Z	
Infection with Perkinsus marinus (Domestic and Wild)	0000	mol	* Qf TSu Qi S Z	
Infection with Xenohaliotis californiensis (Domestic)	-			

#### Crustaceans

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Taura syndrome (Domestic and Wild)	0000	***	* Qf TSu Qi S Z	
White spot disease (Domestic and Wild)	0000	cru	* Qf TSu Qi Sd Z	
Yellow head disease (Domestic and Wild)	0000	cru	* Qf TSu Qi S Z	

#### Amphibians

Disease	Date of last occurrence	Species	Control Measures	Official vaccination
Infection with Batrachochytrium dendrobatidis (Domestic)	-	amp	*	
Infection with ranavirus (Domestic)	-	amp	*	

### 3. Detailed quantitative information for OIE-listed diseases/infections present in Belgium

#### Disease information by State by month from Jan-Dec 2017

#### Highly path. avian influenza (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan			0	0										
Feb			0	0										
Mar			0	0										
Apr			0	0										
May			0	0										
Jun	West-Vlaanderen	H5N8	2	2	avi			Animals	5019	1650	500	4519	0	...

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jul		No	0	0										
Aug		No	0	0										
Sep		No	0	0										
Oct		No	0	0										
Nov		No	0	0										
Dec		No	0	0										

### Aujeszky's disease (Wild)

#### Wild

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan			...	...										
Feb			...	...										
Mar			...	...										
Apr			...	...										
May			...	...										
Jun			...	...										
Jul			...	...										
Aug			...	...										
Sep			...	...										
Oct	Liège	No	7	7	fau	Suidae	Sus scrofa	Animals	...	7	0	0	7	0
	Luxembourg	No	42	42	fau	Suidae	Sus scrofa	Animals	...	42	0	0	42	0
	Namur	No	5	5	fau	Suidae	Sus scrofa	Animals	...	5	0	0	5	0
Nov	Hainaut	No	9	9	fau	Suidae	Sus scrofa	Animals	...	9	0	0	9	0
	Liège	No	7	7	fau	Suidae	Sus scrofa	Animals	...	7	0	0	7	0
	Luxembourg	No	48	48	fau	Suidae	Sus scrofa	Animals	...	48	0	0	48	0
	Namur	No	28	28	fau	Suidae	Sus scrofa	Animals	...	28	0	0	28	0
Dec	Hainaut	No	1	1	fau	Suidae	Sus scrofa	Animals	...	1	0	0	1	0
	Liège	No	5	5	fau	Suidae	Sus scrofa	Animals	...	5	0	0	5	0
	Luxembourg	No	13	13	fau	Suidae	Sus scrofa	Animals	...	13	0	0	13	0
	Namur	No	10	10	fau	Suidae	Sus scrofa	Animals	...	10	0	0	10	0

### Paratuberculosis (Wild)

#### Wild

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan	Luxembourg	No	2	2	fau	Cervidae	Cervus elaphus	Animals	...	2	2	...	...	...
Feb			0	0										
Mar			0	0										
Apr			0	0										
May			0	0										
Jun	Namur	No	1	1	fau	Cervidae	Cervus elaphus	Animals	...	1	1	...	...	...
Jul			...	...										
Aug			...	...										
Sep	Namur	No	1	1	fau	Cervidae	Cervus elaphus	Animals	...	1	1	0	0	0
Oct	Namur	No	1	1	fau	Cervidae	Cervus elaphus	Animals	...	1	0	1	0	0
Nov	Liège	No	1	1	fau	Cervidae	Cervus elaphus	Animals	...	1	0	1	0	0
	Luxembourg	No	1	1	fau	Cervidae	Cervus elaphus	Animals	...	1	0	1	0	0
	Namur	No	1	1	fau	Cervidae	Cervus elaphus	Animals	...	1	0	1	0	0

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Dec	Namur	No	1	1	fau	Cervidae	Cervus elaphus	Animals	...	1	0	1	0	0

### Bovine tuberculosis (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan		No	0	0										
Feb		No	0	0										
Mar		No	0	0										
Apr		No	0	0										
May		No	0	0										
Jun		No	0	0										
Jul	Antwerpen	No	1	1	bov			Animals	66	2	...	...	66	0
Aug			0	0										
Sep	Antwerpen	No	1	1	bov			Animals	206	22	...	...	206	0
Oct	Antwerpen	No	1	1	bov			Animals	134	1	...	...	134	0
Nov	West-Vlaanderen	No	1	1	bov			Animals	309	2	...	...	...	0
Dec	Limburg	No	1	1	bov			Animals	41	1	...	...	...	0

### Inf.bov.rhinotracheit. (IBR/IPV) (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan		No	0	0										
Feb		No	0	0										
Mar		No	0	0										
Apr		No	0	0										
May		No	0	0										
Jun		No	0	0										
Jul			0	0										
Aug			0	0										
Sep			0	0										
Oct			0	0										
Nov	Oost-Vlaanderen	No	1	1	bov			Animals	130	1	0	...	...	...
Dec			0	0										

### Mycoplasmosis (M. gallisepticum) (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan			0	0										
Feb	Limburg	No	1	1	avi			Animals	...	...	...	...	...	...
Mar			0	0										
Apr	West-Vlaanderen	No	1	1	avi			Animals	...	...	...	...	...	...
May	Limburg	No	1	1	avi			Animals	...	...	...	...	...	...
Jun			0	0										
Jul			0	0										



Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Aug	West-Vlaanderen	No	2	2	avi			Animals	...	...	...	...	...	...
Sep			0	0										
Oct	West-Vlaanderen	No	1	1	avi			Animals	...	...	...	...	...	...
Nov			0	0										
Dec			0	0										

### Avian chlamydiosis (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan	Liège	No	1	1	avi			Animals	...	...	...	...	...	...
Feb			0	0										
Mar	Limburg	No	1	1	avi			Animals	...	...	...	...	...	...
Apr			0	0										
May			0	0										
Jun			0	0										
Jul			0	0										
Aug	West-Vlaanderen	No	2	2	avi			Animals	...	...	...	...	...	...
Sep			0	0										
Oct	Vlaams Brabant	No	1	1	avi			Animals	...	...	...	...	...	...
Nov			0	0										
Dec			0	0										

### Viral haemorrhagic septicaemia (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan		No	0	0										
Feb		No	0	0										
Mar		No	0	0										
Apr		No	0	0										
May		No	0	0										
Jun		No	0	0										
Jul			0	0										
Aug			0	0										
Sep	Limburg	No	1	1	pis			Animals	...	...	...	...	...	0
Oct			0	0										
Nov			0	0										
Dec			0	0										

### American foulbrood of honey bees (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan			0	0										
Feb			0	0										
Mar			0	0										
Apr			0	0										

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
May	Oost-Vlaanderen	No	1	1	api			Hives	11	2	0	2	0	...
Jun	Luxembourg	No	2	2	api			Hives	8	3	...	4	...	...
Jul		No	0	0										
Aug		No	0	0										
Sep		No	0	0										
Oct		No	0	0										
Nov		No	0	0										
Dec		No	0	0										

### European foulbrood of honey bees (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan			0	0										
Feb			0	0										
Mar			0	0										
Apr			0	0										
May			0	0										
Jun	Oost-Vlaanderen	No	1	1	api			Hives	6	1	0	1	0	...
Jul		No	0	0										
Aug		No	0	0										
Sep		No	0	0										
Oct		No	0	0										
Nov		No	0	0										
Dec		No	0	0										

### Brucellosis (Brucella suis) (Domestic and Wild)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan	Luxembourg	No	0	1	bov			Animals	...	...	...	...	...	...
Feb			0	0										
Mar			0	0										
Apr			0	0										
May			0	0										
Jun			0	0										
Jul			...	...										
Aug			...	...										
Sep			...	...										
Oct			...	...										
Nov			...	...										
Dec			...	...										

#### Wild

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan			...	...										
Feb			0	0										
Mar			0	0										
Apr			0	0										

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
May			0	0										
Jun			0	0										
Jul	Limburg	No	2	2	fau	Suidae	Sus scrofa	Animals	...	2	0	0	2	0
Aug			...	...										
Sep			...	...										
Oct			...	...										
Nov	Limburg	No	1	1	fau	Suidae	Sus scrofa	Animals	...	1	0	0	1	0
Dec	Limburg	No	3	3	fau	Suidae	Sus scrofa	Animals	...	3	0	0	3	0

### Koi herpesvirus disease (Domestic)

#### Domestic Species

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan			0	0										
Feb			0	0										
Mar			0	0										
Apr			0	0										
May			0	0										
Jun	Luxembourg	No	2	2	pis			Animals	15	...	9	...	...	...
Jul	Luxembourg	No	1	3	pis			Animals	...	...	1	...	...	0
Aug			0	0										
Sep			0	0										
Oct			0	0										
Nov			0	0										
Dec			0	0										

### Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds) (Domestic and Wild)

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
Jan	Oost-Vlaanderen	H5N8	1	1	fau	Phasianidae	Phasianus colchicus	Animals	1	...	0	1	0	...
					fau	Numididae	Numida meleagris	Animals	3	...	2	1	0	...
					fau	Phasianidae	Pavo cristatus	Animals	7	...	0	7	0	...
					fau	Anatidae	Cairina moschata	Animals	7	...	0	7	0	...
					fau	Anatidae	Anser anser	Animals	13	...	1	12	0	...
					fau	Phasianidae	Phasianidae (incognita)	Animals	36	...	9	27	0	...
Feb	Oost-Vlaanderen	H5N8	0	1	fau	Numididae	Numida meleagris	Animals	...	...	...	...	...	...
					fau	Phasianidae	Phasianus colchicus	Animals	...	...	...	...	...	...
					fau	Anatidae	Anser anser	Animals	...	...	...	...	...	...
					fau	Phasianidae	Pavo cristatus	Animals	...	...	...	...	...	...
					fau	Anatidae	Cairina moschata	Animals	...	...	...	...	...	...
					fau	Phasianidae	Phasianidae (incognita)	Animals	...	...	...	...	...	...
	Vlaams Brabant	H5N8	2	2	fau	Anatidae	Anas platyrhynchos	Animals	...	1	1	0	0	...

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	Species	Family Name	Latin Name	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccination in response to the outbreak(s)
					fau	Anatidae	Cygnus olor	Animals	...	1	1	0	0	...
Mar	Brabant Wallon	H5N8	1	1	fau	Accipitridae	Buteo buteo	Animals	...	1	1	0	0	...
					fau	Anatidae	Anas platyrhynchos	Animals	...	1	1	0	0	...
	Limburg	H5N8	1	1	fau	Anatidae	Cygnus atratus	Animals	...	1	1	...	...	...
					fau	Anatidae	Anas platyrhynchos	Animals	...	1	1	...	...	...
	Vlaams Brabant	H5N8	0	1	fau	Anatidae	Anas platyrhynchos	Animals	...	...	...	...	...	...
Apr			0	0										
May	Luxembourg	H5N8	1	1	avi			Animals	11	4	4	7	0	...
Jun	Hainaut	H5N8	6	6	avi			Animals	343	130	130	213	0	...
	Luxembourg	H5N8	1	2	avi			Animals	25	10	10	15	0	...
	Namur	H5N8	1	1	avi			Animals	47	35	35	12	0	...
	West-Vlaanderen	H5N8	1	1	avi			Animals	43	17	17	26	0	...
Jul	Hainaut	H5N8	0	1	avi			Animals	...	...	...	...	...	...
	Liège	H5N8	1	1	avi			Animals	19	5	5	14	0	...
Aug			0	0										
Sep			0	0										
Oct			0	0										
Nov			0	0										
Dec			0	0										

#### 4. Unreported OIE-listed diseases during the reporting period

##### Multiple species

Anthrax (Wild)	Brucellosis (Brucella abortus) (Wild)	Brucellosis (Brucella melitensis) (Domestic and Wild)
Epizootic haemorrhagic disease (Domestic and Wild)	Heartwater (Wild)	Surra (Trypanosoma evansi) (Domestic and Wild)
Trichinellosis (Wild)		

##### Cattle

Bov. genital campylobacteriosis (Wild)	Bovine anaplasmosis (Wild)	Bovine viral diarrhoea (Wild)
Contagious bov. pleuropneumonia (Wild)	Haemorrhagic septicaemia (Wild)	

##### Sheep/Goats

Caprine arthritis/encephalitis (Wild)	Maedi-visna (Wild)	Salmonellosis (S. abortusovis) (Wild)
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##### Swine

Transmissible gastroenteritis (Wild)		
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##### Equidae

Contagious equine metritis (Wild)	Equid herpesvirus-1 (EHV-1) (Infection with) (Wild)	Equine infectious anaemia (Wild)
Equine piroplasmiasis (Wild)	Glanders (Wild)	

##### Lagomorphs

Rabbit haemorrhagic disease (Wild)		
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##### Birds

Avian infectious bronchitis (Wild)	Avian mycoplasmosis (M. synoviae) (Wild)	Fowl typhoid (Wild)
Mycoplasmosis (M. gallisepticum) (Wild)	Pullorum disease (Wild)	

##### Bees

Acarapisosis of honey bees (Wild)	American foulbrood of honey bees (Wild)	European foulbrood of honey bees (Wild)
Varroosis of honey bees (Wild)		

##### Other

Leishmaniasis (Wild)		
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##### Fish

Epizootic ulcerative syndrome (Domestic and Wild)	Infection with <i>Gyrodactylus salaris</i> (Domestic and Wild)	Infection with salmonid alphavirus (Domestic and Wild)
Koi herpesvirus disease (Wild)	Red sea bream iridoviral disease (Domestic and Wild)	Viral haemorrhagic septicaemia (Wild)

### Molluscs

Infection with abalone herpesvirus (Domestic and Wild)	Infection with <i>Bonamia ostreae</i> (Wild)	Infection with <i>Perkinsus olseni</i> (Domestic and Wild)
Infection with <i>Xenohaliotis californiensis</i> (Wild)		

### Crustaceans

Acute hepatopancreatic necrosis disease (Domestic and Wild)	Crayfish plague ( <i>Aphanomyces astaci</i> ) (Domestic and Wild)	Infectious hypodermal and haematopoietic necrosis (Domestic and Wild)
Infectious myonecrosis (Domestic and Wild)	Necrotising hepatopancreatitis (Domestic and Wild)	White tail disease (Domestic and Wild)

### Amphibians

Infection with <i>Batrachochytrium dendrobatidis</i> (Wild)	Infection with ranavirus (Wild)	
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### 5. Zoonotic diseases in humans

Disease	No information available	Disease absent	Disease present (number of cases unknown)	Disease present (number of cases known)	Human cases	Human deaths
Anthrax		*				
Avian chlamydiosis			*		...	...
Babesiosis			*		...	...
Bovine tuberculosis			*		...	...
Brucellosis				*	8	0
Camelpox	*				...	...
Campylobacteriosis				*	8629	...
Crimean Congo haemorrhagic fever		*				
Cysticercosis	*				...	...
Ebola virus disease		*				
Echinococcosis/hydatidosis				*	12	...
Equine encephalomyelitis (Eastern)	*				...	...
Equine encephalomyelitis (Western)	*				...	...
Glanders	*				...	...
Hantavirus pulmonary syndrome		*				
Highly pathogenic avian influenza		*				
Japanese encephalitis		*				
Leishmaniasis		*				
Leptospirosis				*	21	...
Marburg virus disease		*				
Monkey pox	*				...	...
New world screwworm ( <i>Cochliomyia hominivorax</i> )	*				...	...
Nipah virus encephalitis		*				
Old world screwworm ( <i>Chrysomya bezziana</i> )	*				...	...
Q fever				*	19	...
Rabies		*				
Rift Valley fever		*				
Salmonellosis ( <i>S. enteritidis</i> , <i>S. typhimurium</i> )				*	2344	...
Swine erysipelas	*				...	...
Toxoplasmosis			*		...	...
Trichinellosis	*				...	...
Trypanosomiasis ( <i>T. evansi</i> )		*				
Trypanosomiasis, human African (sleeping sickness)		*				
Tularemia				*	5	...

Disease	No information available	Disease absent	Disease present (number of cases unknown)	Disease present (number of cases known)	Human cases	Human deaths
Variant Creutzfeldt-Jakob disease		*				
Venezuelan equine encephalomyelitis	*				...	...
West Nile Fever		*				

## 6. Animal population

Species	Production	Total	Units	Number	Units
Bees	Whole country	59369	Hives		Apiaries
Cattle	Whole country	783181	Animals	27314	Establishments
Dogs	Whole country	2552194	Animals		Establishments
Goats	Whole country	66167	Animals	9358	Establishments
Cervidae	Whole country	11647	Animals	2236	Establishments
Equidae	Whole country	315011	Animals		Establishments
Sheep / goats	Whole country		Animals	3489	Establishments
Sheep	Whole country	161157	Animals	25139	Establishments
Wild fish	Whole country	16648	Tonnes		Establishments
Wild molluscs	Whole country	1670	Tonnes		Establishments
Wild crustaceans	Whole country	625	Tonnes		Establishments
Layers	Whole country	10112474	Animals		Establishments
Broilers	Whole country	34354899	Animals		Establishments
Adult beef cattle	Whole country	19371	Animals		Establishments
Adult dairy cattle	Whole country	519159	Animals		Establishments
Male and female cattle	Whole country	484331	Animals		Establishments
Calves	Whole country	699710	Animals		Establishments
Fattening pigs	Whole country	5742622	Animals	7241	Establishments
Piglets	Whole country	1563797	Animals		Establishments

## 7. Veterinarians and veterinary para-professionals

### Veterinarians:

	Public sector	Total	Private sector
Animal health and welfare activities	284	5207	4923
Veterinary public health activities	227	227	...
Laboratories	271	271	...
Academic activities and education		99	
Pharmaceutical industry		18	
Private clinical practice		4923	
Others		102	
(specify with a short note)	inseminateurs		

### Veterinary Paraprofessionals

	Public sector	Total	Private sector
Animal health and welfare activities		0	
'Community Animal Health workers'		0	
Veterinary public health activities		0	
Others		0	
(specify with a short note)			

## 8. National reference laboratories

Name	Contacts	Latitude	Longitude
CER Groupe	DMV, MSc François LIEFFRIG	50.2333	5.3
CODA-CERVA	Directeur Pierre Kerkhofs	50.8	4.33
Hôpital Erasme – Laboratoire de Parasitologie - ULB	Dr. Carine TRUYENS	50.8466	4.3528
Institut de médecine tropicale (IMT)	Directeur Marjan Van Esbroeck	51.2194	4.4025
ISP	Directeur Myriam Sneyers	50.8333	4.3667
Laboratoire de l'université de Gand	Prof. Philippe Buscher	51.21	4.4

## 9. Diagnostic Tests

Laboratory	Disease	Test Type
CER Groupe	Crayfish plague (Aphanomyces astaci)	polymerase chain reaction (PCR)
	Epizoot. haematopoietic necrosis	pathogen isolation on cell culture
		reverse transcription - polymerase chain reaction (RT-PCR)
	Epizootic ulcerative syndrome	real-time PCR
	Infect. haematopoietic necrosis	pathogen isolation on cell culture
		reverse transcription - polymerase chain reaction (RT-PCR)
	Infection with ranavirus	pathogen isolation on cell culture
		reverse transcription - polymerase chain reaction (RT-PCR)
	Infection with salmonid alphavirus	pathogen isolation on cell culture

Laboratory	Disease	Test Type
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Infectious salmon anaemia virus (HPR-deleted or HPR0 genotypes) (Infection with)	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Koi herpesvirus disease	pathogen isolation on cell culture
		polymerase chain reaction (PCR)
	Spring viraemia of carp	immunocapture ELISA
		pathogen isolation on cell culture
		reverse transcription - polymerase chain reaction (RT-PCR)
	Viral haemorrhagic septicaemia	immunocapture ELISA
		pathogen isolation on cell culture
		reverse transcription - polymerase chain reaction (RT-PCR)
CODA-CERVA	Acarapisosis of honey bees	microscopic examination
	African horse sickness	antibody detection ELISA
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	African swine fever	pathogen isolation on cell culture
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	American foulbrood of honey bees	chromatographic immunoassay
		microscopic examination
		pathogenic agent isolation on culture
		polymerase chain reaction (PCR)
	Anthrax	pathogenic agent isolation on culture
		polymerase chain reaction (PCR)
	Aujeszky's disease	antibody detection ELISA
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
		virus isolation
	Avian chlamydiosis	real-time PCR
	Avian infect. laryngotracheitis	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Avian infectious bronchitis	real-time PCR
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Avian mycoplasmosis (M.synoviae)	competitive ELISA (c-ELISA)
	Bluetongue	antibody detection ELISA
		nucleotide sequencing
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
		virus isolation
		virus neutralisation test (VNT)
	Bov. genital campylobacteriosis	pathogenic agent isolation on culture
	Bovine anaplasmosis	polymerase chain reaction (PCR)
	Bovine spongiform encephalopathy	histopathological examination
		immunohistochemical test
		indirect sandwich ELISA
		western blot
	Bovine tuberculosis	antibody detection ELISA
		gene sequencing
		pathogenic agent isolation on culture
		polymerase chain reaction (PCR)
		real-time PCR
		tuberculin test
	Bovine viral diarrhoea	reverse transcription - polymerase chain reaction (RT-PCR)
		seroneutralization test (SNT)
		virus isolation
	Brucellosis (Brucella abortus)	antibody detection ELISA
		complement fixation test (CFT)
		optical microscopy
		pathogenic agent isolation on culture
		plate agglutination test
		rapid serum agglutination (RSA)
		rose bengal test (RBT)
		tube agglutination test (TAT)
	Brucellosis (Brucella melitensis)	antibody detection ELISA
		complement fixation test (CFT)
		optical microscopy
		pathogenic agent isolation on culture
		rose bengal test (RBT)
	Brucellosis (Brucella suis)	antibody detection ELISA
		complement fixation test (CFT)
		optical microscopy
		pathogenic agent isolation on culture
		rose bengal test (RBT)

Laboratory	Disease	Test Type
	Caprine arthritis/encephalitis	agar-gel immunodiffusion (AGID)
		real-time PCR
	Classical swine fever	pathogen isolation on cell culture
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
	Contagious agalactia	polymerase chain reaction (PCR)
	Contagious bov. pleuropneumonia	antibody detection ELISA
	Contagious equine metritis	pathogenic agent isolation on culture
		polymerase chain reaction (PCR)
	Crimean Congo haemorrhagic fever	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Dourine	complement fixation test (CFT)
	Duck virus hepatitis	electron microscopy
	Encephalomyelitis (West.)	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Enzootic abortion (chlamydiosis)	complement fixation test (CFT)
		pathogenic agent isolation on culture
	Enzootic bovine leukosis	agar-gel immunodiffusion (AGID)
	Epizootic haemorrhagic disease	antibody detection ELISA
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Equine encephalomyelitis (Eastern)	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Equine infectious anaemia	Coggin's test
	Equine rhinopneumonitis	histopathological examination
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		virus isolation
	Equine viral arteritis	pathogenic agent isolation on culture
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
		virus isolation
	European foulbrood of honey bees	chromatographic immunoassay
		microscopic examination
		pathogenic agent isolation on culture
		polymerase chain reaction (PCR)
	Foot and mouth disease	antibody detection ELISA
		ELISA 3ABC
		nucleotide sequencing
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
		typing ELISA
		virus isolation
		virus neutralisation test (VNT)
	Fowl typhoid	pathogenic agent isolation on culture
		plate agglutination test
	Glanders	complement fixation test (CFT)
		pathogenic agent isolation on culture
		polymerase chain reaction (PCR)
	Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Inf.bov.rhinotracheit. (IBR/IPV)	competitive ELISA (c-ELISA)
		indirect ELISA
		real-time PCR
		seroneutralization test (SNT)
	Infec bursal disease (Gumboro)	indirect fluorescent antibody (IFA) test
	Japanese encephalitis	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Leishmaniosis	indirect fluorescent antibody (IFA) test
		optical microscopy
	Leptospirosis	competitive ELISA (c-ELISA)
		direct immunofluorescence (DIF) test
		IgM-capture ELISA
		microscopic agglutination test (MAT)
		optical microscopy
		pathogenic agent isolation on culture
		serotyping
	Low pathogenic avian influenza (poultry)	competitive ELISA (c-ELISA)
		haemagglutination inhibition test (HIT)
		pathogen isolation by egg inoculation
	Lumpy skin disease	immunoperoxidase monolayer assay (IPMA)
		nucleotide sequencing
		real-time PCR
		virus isolation



Laboratory	Disease	Test Type
		virus neutralisation test (VNT)
	Maedi-visna	agar-gel immunodiffusion (AGID)
		real-time PCR
	Marek's disease	histopathological examination
		pathogen isolation on cell culture
	Mycoplasmosis ( <i>M. gallisepticum</i> )	competitive ELISA (c-ELISA)
		plate agglutination test
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Myxomatosis	electron microscopy
		histopathological examination
	Newcastle disease	haemagglutination inhibition test (HIT)
		pathogen isolation by egg inoculation
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Ovine epididymitis ( <i>B. ovis</i> )	complement fixation test (CFT)
		optical microscopy
		pathogenic agent isolation on culture
	Paratuberculosis	agar-gel precipitation (AGP) test
		antibody detection ELISA
		complement fixation test (CFT)
		gene sequencing
		histopathological examination
		immunohistochemical test
		optical microscopy
		pathogen isolation on cell culture
		real-time PCR
		tuberculin test
	Peste des petits ruminants	antibody detection ELISA
	Porcine reproductive/respiratory syndr.	gene sequencing
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
	Pullorum disease	pathogenic agent isolation on culture
		plate agglutination test
	Q fever	antibody detection ELISA
		complement fixation test (CFT)
		pathogen isolation on cell culture
		polymerase chain reaction (PCR)
	Rabbit haemorrhagic disease	electron microscopy
		haemagglutination (HA) test
		haemagglutination inhibition test (HIT)
		histopathological examination
	Rift Valley fever	antibody detection ELISA
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Scrapie	histopathological examination
		immunohistochemical test
		indirect sandwich ELISA
		western blot
	Sheep pox and goat pox	immunoperoxidase monolayer assay (IPMA)
		nucleotide sequencing
		real-time PCR
		virus isolation
		virus neutralisation test (VNT)
	Small hive beetle infestation	microscopic examination
	Swine vesicular disease	antibody detection ELISA
		ELISA 3ABC
		nucleotide sequencing
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
		typing ELISA
		virus isolation
		virus neutralisation test (VNT)
	Transmissible gastroenteritis	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Trichomonosis	optical microscopy
		pathogenic agent isolation on culture
	Tropilaelaps infestation of honey bees	microscopic examination
	Tularemia	IgG-capture ELISA
		pathogenic agent isolation on culture
		reverse transcription - polymerase chain reaction (RT-PCR)
	Varroosis of honey bees	optical microscopy
	Venezuelan equ.encephalomyelitis	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)

Laboratory	Disease	Test Type
	Vesicular stomatitis	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
		virus isolation
		virus neutralisation test (VNT)
	West Nile Fever	competitive ELISA (c-ELISA)
		IgM-capture ELISA
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
		seroneutralization test (SNT)
Hôpital Erasme – Laboratoire de Parasitologie - ULB	Echinococcus multilocularis (Infection with)	optical microscopy
Institut de médecine tropicale (IMT)	Surra (Trypanosoma evansi)	antibody detection ELISA
		optical microscopy
		polymerase chain reaction (PCR)
	Trichinellosis	optical microscopy
ISP	Rabies	direct immunofluorescence (DIF) test
		nucleotide sequencing
		real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)
	Salmonellosis (S. abortusovis)	bacteriological examination
		nucleotide sequencing
		polymerase chain reaction (PCR)
		serotyping
Laboratoire de l'université de Gand	Avian chlamydiosis	indirect ELISA
		nested RT-PCR
		pathogen isolation on cell culture
		real-time PCR

## 10. Vaccine Manufacturers

Manufacturer	Contacts	Year of start of activity	Year of cessation of activity
Zoetis Belgium SA	Monsieur Olivier Sels	0	

## 11. Vaccines

Disease	Manufacturer	Vaccine	Vaccine type	Year of start of production	Year of end of production (if production ended)
Inf.bov.rhinotracheit. (IBR/IPV)	Zoetis Belgium SA	CattleMaster 4	Live Attenuated Vaccine	2013	
	Zoetis Belgium SA	CATTLEMASTER RIP	Live Attenuated Vaccine	2010	
	Zoetis Belgium SA	Imuresp RP	Live Attenuated Vaccine	2013	
	Zoetis Belgium SA	Rispoval 4 (fraction liquide)	Inactivated Vaccine	2013	
	Zoetis Belgium SA	Rispoval IBR inactivatum	Inactivated Vaccine	2013	
	Zoetis Belgium SA	Rispoval IBR vivum	Live Attenuated Vaccine	2013	
Rabies	Zoetis Belgium SA	Trachérine	Live Attenuated Vaccine	2013	
	Zoetis Belgium SA	Enduracell 7 +RM( fraction liquide)	Inactivated Vaccine	2013	2017
	Zoetis Belgium SA	Enduracell 8	Inactivated Vaccine	2013	2017
	Zoetis Belgium SA	Enduracell LR/ LT	Inactivated Vaccine	2013	2017
	Zoetis Belgium SA	enduracell rage	Inactivated Vaccine	2009	2017
	Zoetis Belgium SA	Enduracell rage mono/T	Inactivated Vaccine	2013	2017
	Zoetis Belgium SA	Felocell CVR-T ( fraction liquide)	Inactivated Vaccine	2013	2017
	Zoetis Belgium SA	Rabdomun	Inactivated Vaccine	2009	
	Zoetis Belgium SA	Vanguard Rabies	Inactivated Vaccine	2017	
	Zoetis Belgium SA	Versifel CVR-T (fraction liquide)	Inactivated Vaccine	2009	

## 12. Vaccine production

Manufacturer	Vaccine	Doses produced	Doses exported
Zoetis Belgium SA	CattleMaster 4	3309355	3309355
Zoetis Belgium SA	CATTLEMASTER RIP	162070	162070
Zoetis Belgium SA	Imuresp RP	116655	116655
Zoetis Belgium SA	Rabdomun	41990	41990
Zoetis Belgium SA	Rispoval 4 (fraction liquide)	793975	793975
Zoetis Belgium SA	Rispoval IBR inactivatum	1171140	1171140
Zoetis Belgium SA	Rispoval IBR vivum	1961990	1961990
Zoetis Belgium SA	Trachérine	169050	169050
Zoetis Belgium SA	Vanguard Rabies	10562	10562
Zoetis Belgium SA	Versifel CVR-T (fraction liquide)	96825	96825