

ANNUAL ANIMAL HEALTH REPORT ON THE NOTIFICATION OF THE ABSENCE OR PRESENCE OF ALL DISEASES

OIE Reference: 35716, 31472, 23182, Report Period: Jan - Dec 2007

Country: Costa Rica

Report Summary

Animal type	Aquatic and terrestrial	Date of report	10/03/2008
Submitted	Yes	Report Period:	Jan - Dec 2007
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1. Summary on OIE-listed diseases/infections present in Costa Rica

OIE-Listed disease	occurrence	Serotypes	New outbreaks	Total outbreaks	Species	Control Measures	Routine Vaccinated	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Estomatitis vesicular	+	New Jersey	16	16	***	T	...	Animals	...	...	...	...	...	...
					bov	* Qf GSu		Animals	1783	61	0	0	0	0
					buf	* Qf GSu		Animals	...	...	...	...	...	...
					equ	* Qf GSu		Animals	...	...	...	...	...	...
					o/c	* Qf GSu		Animals	...	...	...	...	...	...
					sui	* Qf GSu		Animals	...	...	...	...	...	...
Lengua azul	+?	bov	* Qf GSu		Animals	...	...	...	...	...	...
					o/c	* Qf GSu		Animals	...	...	...	...	...	...
Carunco bacteridiano	+	bov	V * Qf GSu	...	Animals	...	...	...	...	...	...
					buf	V * Qf GSu	...	Animals	...	...	...	...	...	...
					equ	V * Qf GSu	...	Animals	...	...	...	...	...	...
					o/c	V * Qf GSu	...	Animals	...	...	...	...	...	...
					sui	V * Qf GSu	...	Animals	...	...	...	...	...	...
Leptospirosis	+	No	6	6	***	* Qf	...	Animals	...	...	...	...	...	...
					bov	V GSu	...	Animals	310	16	0	0	0	0
					can	V GSu	...	Animals	...	...	...	...	...	...
					cap	GSu	...	Animals	...	...	...	...	...	...
					sui	GSu	...	Animals	...	...	...	...	...	...
Rabia	+	No	1	1	***	* Qf GSu	...	Animals	...	...	...	...	...	...
					can	V	...	Animals	...	...	...	...	...	...
					bov	V	...	Animals	800	4	4	0	0	796
Paratuberculosis	+	bov	* Qf GSu	...	Animals	...	...	...	...	...	...
Brucellosis (Brucella abortus)	+	No	140	140	***	* Qf	...	Animals	...	...	...	...	...	...
					bov	Te V Sp GSu	48881	Animals	12975	888	0	0	888	3818
					buf	Te Sp GSu	...	Animals	...	...	...	...	...	...
Anaplasmosis bovina	+	bov	* Qf T GSu	...	Animals	...	...	...	...	...	...
					buf	* Qf T GSu	...	Animals	...	...	...	...	...	...
Babesiosis	+	bov	* Qf T	...	Animals	...	...	...	...	...	...

bovina						GSu											
		...	...	...	buf	* Qf T GSu		Animals	...	...	...	...	...	...	...	...	...
Campilobacteriosis genital bovina	+	...	...	...	bov	* Qf T GSu		Animals	...	...	...	...	...	...	...	...	...
		...	...	...	buf	* Qf T GSu		Animals	...	...	...	...	...	...	...	...	...
Tuberculosis bovina	+	No	1	1	***	* Qf	...	Animals	...	...	...	...	...	...	...	...	...
					bov	Te Sp GSu		Animals	25	1	0	1	0	0			
					buf	Te Sp GSu		Animals	...	...	...	...	...	...	...	...	...
Leucosis bovina enzoótica	+	No	21	21	bov	* Qf GSu		Animals	1478	98	0	0	0	0	0	0	0
Rinotraqueítis infecciosa bovina/vulvovaginitis pustular infecciosa	+	No	19	19	bov	* Qf GSu		Animals	1841	74	0	0	0	0	0	0	0
Tricomosis	+	...	...	...	bov	* Qf T GSu		Animals	...	...	...	...	...	...	...	...	...
Artritis/encefalitis caprina	?	...	...	...	cap	* Qf GSu		Animals	...	...	...	...	...	...	...	...	...
Síndrome disgenésico y respiratorio porcino	+	...	...	...	sui	* Qf GSu		Animals	...	...	...	...	...	...	...	...	...
Anemia infecciosa equina	+	No	155	155	equ	* Qf Sp GSu		Animals	928	221	0	106	115	0			
Piroplasmosis equina	+	...	...	...	equ	* Qf GSu		Animals	...	...	...	...	...	...	...	...	...
Mixomatosis	+	...	...	...	lep	* Qf GSu		Animals	...	...	...	...	...	...	...	...	...
Bronquitis infecciosa aviar	+	No	2	2	avi	* Qf GSu		Animals	94	2	2	0	0	0	0	0	0
Laringotraqueítis infecciosa aviar	+	No	3	3	avi	Qi Te Z V * Qf Sp GSu	695000	Animals	41347	525	0	0	0	0	0	0	0
Bursitis infecciosa (enfermedad de Gumboro)	+	...	...	...	avi	* Qf GSu		Animals	...	...	...	...	...	...	...	...	...
Enfermedad de Marek	+	...	...	...	avi	* Qf GSu		Animals	...	...	...	...	...	...	...	...	...
Micoplasmosis aviar (M. gallisepticum)	+	No	1	1	avi	* Qf GSu		Animals	66	1	0	0	0	0	0	0	0
Acaraposis de las abejas melíferas	+	...	...	...	api	* Qf T GSu		Animals	...	...	...	...	...	...	...	...	...
Loque americana de las abejas melíferas	+	No	1	1	api	* Qf T GSu		Hives	78	1	0	0	0	0	0	0	0
Loque europea de las abejas melíferas	+	No	21	21	api	* Qf T GSu		Hives	914	31	0	0	0	0	0	0	0
Varroosis de las abejas melíferas	+	No	31	31	api	* Qf T GSu		Hives	2049	61	0	0	0	0	0	0	0
Girodactilosis (Gyrodactylus)	+	No	6	6	pis	* Qf GSu		Animals	3010000	908000	900000	3000	0	0	0	0	0

salaris)															
Síndrome de Taura	+	...	...	...	cru	* Qf GSu		Animals	...	...	...	...	...	...	...
Enfermedad de las manchas blancas	+	No	4	4	cru	* Qf GSu		Animals	8160000	3336000	3336000	0	4824000	0	
Necrosis hipodérmica y hematopoyética infecciosa	+	No	5	5	cru	* Qf GSu		Animals	20000000	5000000	1000000	0	10000000	0	

2. OIE-listed diseases absent in Costa Rica during the reporting period or never reported.

Comunes a varias especies

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Fiebre aftosa	0000	***	S * Qf Vp GSu Qi	...
Fiebre del Valle del Rift	0000	***	* Qf	...
Enfermedad de Aujeszky	-	sui	* Qf	
Equinococosis/hidatidosis	0000	bov	* Qf	
Cowdriosis	0000	bov	* Qf	
Fiebre Q	0000	bov	* Qf	
		cap	* Qf	
		ovi	* Qf	
Miasis por Cochliomyia hominivorax	07/1999	***	* Qf GSu	...
Miasis por Chrysomya bezziana	0000	***	* Qf	...
Fiebre hemorrágica de Crimea-Congo	0000	bov	* Qf	
Fiebre del Nilo Occidental	0000	avi	* Qf GSu	
		equ	* Qf GSu	
Peste bovina	0000	bov	* Qf	
		buf	* Qf	
		cap	* Qf	
		o/c	* Qf	
		ovi	* Qf	
Tularemia	0000	lep	* Qf	
Encefalitis japonesa	0000	equ	* Qf	

Bovinos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Perineumonía contagiosa bovina	0000	bov	* Qf	
Dermatosis nodular contagiosa	0000	bov	* Qf	
Septicemia hemorrágica	0000	bov	* Qf	
Teileriosis	0000	bov	* Qf	
Tripanosomosis	0000	bov	* Qf	
Encefalopatía espongiiforme bovina	0000	bov	* Qf GSu TSu	

Ovinos/Caprinos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Peste de pequeños rumiantes	0000	cap	* Qf	
		o/c	* Qf	
Viruela ovina y viruela caprina	0000	o/c	* Qf	
Epididimitis ovina (Brucella ovis)	0000	ovi	* Qf	
Agalaxia contagiosa	0000	o/c	* Qf	
Pleuroneumonía contagiosa caprina	0000	cap	* Qf	
Aborto enzoótico de las ovejas (clamidiosis ovina)	0000	ovi	* Qf	
Enfermedad de Nairobi	0000	o/c	* Qf	
Salmonelosis (S. abortusovis)	0000	ovi	* Qf	
Prurigo lumbar	0000	o/c	* Qf	
Maedi-visna	0000	ovi	* Qf	

Suidos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Enfermedad vesicular porcina	0000	sui	* Qf	
Peste porcina africana	0000	sui	* Qf	
Peste porcina clásica	07/1997	sui	S * Qf Vp GSu TSu	
Encefalitis por virus Nipah	0000	sui	* Qf	

Équidos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Peste equina	0000	equ	* Qf	
Metritis contagiosa equina	0000	equ	* Qf	
Durina	0000	equ	* Qf	
Rinoneumonía equina	0000	equ	* Qf	
Muerto	0000	equ	* Qf	
Arteritis viral equina	0000	equ	* Qf	
Surra (Trypanosoma evansi)	0000	equ	* Qf	

Lagomorfos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Enfermedad hemorrágica del conejo	0000	lep	* Qf	

Aves

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Influenza aviar altamente patógena	0000	avi	S * Qf Vp GSu TSu	
Enfermedad de Newcastle	1990	avi	S * Qf GSu TSu	
Hepatitis viral del pato	0000	avi	* Qf	
Clamidiosis aviar	0000	avi	* Qf	
Influenza aviar levemente patógena (aves de corral)	0000	avi	S * Qf Vp GSu TSu	

Abejas

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Infestación de las abejas melíferas por los ácaros Tropilaelaps	0000	api	* Qf	
Infestación por el escarabajo de las colmenas (Aethina tumida)	0000	api	* Qf	

Otras

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Viruela del camello	0000	cml	* Qf	

Peces

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Septicemia hemorrágica viral	0000	pis	* Qf	
Viremia primaveral de la carpa	0000	pis	* Qf	
Necrosis hematopoyética infecciosa	0000	pis	* Qf	
Necrosis hematopoyética epizoótica	0000	pis	* Qf	
Anemia infecciosa del salmón	0000	pis	* Qf	
Síndrome ulcerante epizoótico	0000	pis	* Qf	
Iridovirus de la dorada japonesa	0000	pis	* Qf	

Moluscos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Infección por Bonamia ostreae	0000	mol	* Qf	
Infección por Bonamia exitiosa	0000	mol	* Qf	
Infección por Marteilia refringens	0000	mol	* Qf	
Infección por Perkinsus marinus	0000	mol	* Qf	
Infección por Perkinsus olseni	0000	mol	* Qf	
Infección por Xenohalotis californiensis	0000	mol	* Qf	

Crustáceos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Enfermedad de la cabeza amarilla	0000	cru	* Qf	
Plaga del cangrejo de río (Aphanomyces astaci)	0000	cru	* Qf	

3. Detailed quantitative information for OIE-listed diseases/infections present in Costa Rica.

Disease information by State by month from Jan - Dec 2007

Estomatitis vesicular

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	New Jersey	10	10	bov	Animals	1314	47	0	0	0	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul			...	...						
Aug	PUNTARENAS	New Jersey	1	1	bov	Animals	18	1	0	0	0	0
Sep			...	...						
Oct	ALAJUELA	New Jersey	5	5	bov	Animals	451	13	0	0	0	0
Nov			...	...						
Dec			...	...						

Leptospirosis

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	3	3	bov	Animals	152	5	0	0	0	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul	ALAJUELA	No	1	1	bov	Animals	115	7	0	0	0	0
Aug			...	...						
Sep			...	...						
Oct	SAN JOSE	No	1	1	bov	Animals	35	2	0	0	0	0
Nov	SAN JOSE	No	1	1	bov	Animals	8	2	0	0	0	0
Dec			...	...						

Leucosis bovina enzoótica

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	12	12	bov	Animals	959	78	0	0	0	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul	ALAJUELA	No	1	1	bov	Animals	115	8	0	0	0	0
Aug	LIMON	No	1	1	bov	Animals	50	2	0	0	0	0
	SAN JOSE	No	4	4	bov	Animals	88	4	0	0	0	0
Sep	SAN JOSE	No	1	1	bov	Animals	211	1	0	0	0	0
Oct	CARTAGO	No	1	1	bov	Animals	5	1	0	0	0	0
Nov			...	...						
Dec	SAN JOSE	No	1	1	bov	Animals	50	4	0	0	0	0

Rinotraqueítis infecciosa bovina/vulvovaginitis pustular infecciosa

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	5	5	bov	Animals	366	51	0	0	0	0
Feb			...	...						

Mar			...	...							
Apr			...	...							
May			...	...							
Jun			...	...							
Jul	SAN JOSE	No	1	1	bov	Animals	15	1	0	0	0	0	0
Aug	ALAJUELA	No	1	1	bov	Animals	15	2	0	0	0	0	0
	SAN JOSE	No	2	2	bov	Animals	41	4	0	0	0	0	0
Sep			...	...							
Oct	SAN JOSE	No	1	1	bov	Animals	35	1	0	0	0	0	0
Nov	GUANACAST E	No	1	1	bov	Animals	800	2	0	0	0	0	0
	PUNTARENA S	No	1	1	bov	Animals	325	2	0	0	0	0	0
	SAN JOSE	No	3	3	bov	Animals	156	3	0	0	0	0	0
Dec	SAN JOSE	No	4	4	bov	Animals	88	8	0	0	0	0	0

Anemia infecciosa equina

Month	Province	Serotype(s))	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	70	70	equ	Animals	529	106	0	106	0	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul	ALAJUELA	No	1	1	equ	Animals	10	2	0	0	2	0
	CARTAGO	No	1	1	equ	Animals	1	1	0	0	1	0
	PUNTARENA S	No	4	4	equ	Animals	18	5	0	0	5	0
Aug	ALAJUELA	No	1	1	equ	Animals	1	1	0	0	1	0
	PUNTARENA S	No	8	8	equ	Animals	24	9	0	0	9	0
	SAN JOSE	No	9	9	equ	Animals	31	8	0	0	8	0
Sep	ALAJUELA	No	2	2	equ	Animals	13	2	0	0	2	0
	PUNTARENA S	No	11	11	equ	Animals	93	16	0	0	16	0
	SAN JOSE	No	5	5	equ	Animals	7	5	0	0	5	0
Oct	ALAJUELA	No	2	2	equ	Animals	2	2	0	0	2	0
	PUNTARENA S	No	6	6	equ	Animals	42	9	0	0	9	0
	SAN JOSE	No	2	2	equ	Animals	8	5	0	0	5	0
Nov	GUANACAST E	No	2	2	equ	Animals	7	2	0	0	2	0
	PUNTARENA S	No	5	5	equ	Animals	17	6	0	0	6	0
	SAN JOSE	No	3	3	equ	Animals	4	4	0	0	4	0
Dec	ALAJUELA	No	3	3	equ	Animals	5	4	0	0	4	0
	PUNTARENA S	No	12	12	equ	Animals	104	25	0	0	25	0
	SAN JOSE	No	8	8	equ	Animals	12	9	0	0	9	0

Laringotraqueitis infecciosa aviar

Month	Province	Serotype(s))	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	2	2	avi	Animals	1347	25	0	0	0	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul	ALAJUELA	No	1	1	avi	Animals	40000	500	0	0	0	0
Aug			...	...						
Sep			...	...						
Oct			...	...						
Nov			...	...						
Dec			...	...						

Enfermedad de las manchas blancas

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	1	1	cru	Animals	3960000	396000	396000	0	3564000	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul			...	...						
Aug			...	...						
Sep			...	...						
Oct			...	...						
Nov			...	...						
Dec	GUANACAST E	No	3	3	cru	Animals	4200000	2940000	2940000	0	1260000	0

Loque europea de las abejas melíferas

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	8	8	api	Hives	300	10	0	0	0	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul			...	...						
Aug			...	...						
Sep			...	...						
Oct			...	...						
Nov	PUNTARENA S	No	1	1	api	Hives	60	1	0	0	0	0
Dec	ALAJUELA	No	9	9	api	Hives	420	15	0	0	0	0
	PUNTARENA S	No	2	2	api	Hives	70	2	0	0	0	0
	SAN JOSE	No	1	1	api	Hives	64	3	0	0	0	0

Varroosis de las abejas melíferas

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	17	17	api	Hives	1261	17	0	0	0	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul			...	...						
Aug			...	...						
Sep	ALAJUELA	No	1	1	api	Hives	10	2	0	0	0	0
Oct			...	...						
Nov	PUNTARENA S	No	1	1	api	Hives	200	26	0	0	0	0
Dec	ALAJUELA	No	9	9	api	Hives	444	12	0	0	0	0
	PUNTARENA S	No	2	2	api	Hives	70	3	0	0	0	0
	SAN JOSE	No	1	1	api	Hives	64	1	0	0	0	0

Girodactilosis (Gyrodactylus salaris)

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	5	5	pis	Animals	3000000	900000	900000	3000	0	0
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul			...	...						
Aug			...	...						

Sep	ALAJUELA	No	1	1	pis	Animals	10000	8000	0	0	0	0
Oct			...	...						
Nov			...	...						
Dec			...	...						

Brucellosis (Brucella abortus)

Month	Province	Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Jan	Whole country	No	56	56	bov	Animals	3818	364	0	0	364	3818
Feb			...	...						
Mar			...	...						
Apr			...	...						
May			...	...						
Jun			...	...						
Jul	ALAJUELA	No	2	2	bov	Animals	520	3	0	0	3	0
	HEREDIA	No	4	4	bov	Animals	89	9	0	0	9	0
Aug	ALAJUELA	No	13	13	bov	Animals	1225	92	0	0	92	0
	CARTAGO	No	4	4	bov	Animals	238	10	0	0	10	0
	LIMON	No	1	1	bov	Animals	150	1	0	0	1	0
	PUNTARENAS	No	3	3	bov	Animals	570	3	0	0	3	0
	SAN JOSE	No	5	5	bov	Animals	175	15	0	0	15	0
Sep	ALAJUELA	No	7	7	bov	Animals	1472	149	0	0	149	0
	CARTAGO	No	2	2	bov	Animals	17	2	0	0	2	0
	LIMON	No	1	1	bov	Animals	28	2	0	0	2	0
	PUNTARENAS	No	1	1	bov	Animals	4	1	0	0	1	0
Oct	ALAJUELA	No	6	6	bov	Animals	779	39	0	0	39	0
	CARTAGO	No	1	1	bov	Animals	10	1	0	0	1	0
	HEREDIA	No	2	2	bov	Animals	520	9	0	0	9	0
	LIMON	No	3	3	bov	Animals	546	4	0	0	4	0
	SAN JOSE	No	2	2	bov	Animals	146	8	0	0	8	0
Nov	ALAJUELA	No	1	1	bov	Animals	24	8	0	0	8	0
	HEREDIA	No	2	2	bov	Animals	218	28	0	0	28	0
	SAN JOSE	No	3	3	bov	Animals	145	9	0	0	9	0
Dec	ALAJUELA	No	15	15	bov	Animals	2049	117	0	0	117	0
	CARTAGO	No	3	3	bov	Animals	70	5	0	0	5	0
	HEREDIA	No	1	1	bov	Animals	152	7	0	0	7	0
	SAN JOSE	No	2	2	bov	Animals	10	2	0	0	2	0

Disease information for Costa Rica by month from Jan - Dec 2007

Disease information by State from Jan - Dec 2007

Disease information for Costa Rica Jan - Dec, 2007

Estomatitis vesicular

Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
New Jersey	10	10	bov	Animals	1314	47	0	0	0	0

Leptospirosis

Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	3	3	bov	Animals	152	5	0	0	0	0

Rabia

Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	1	1	bov	Animals	800	4	4	0	0	796

Tuberculosis bovina

Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	1	1	bov	Animals	25	1	0	1	0	0

Leucosis bovina enzoótica

Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	12	12	bov	Animals	959	78	0	0	0	0

Rinotraqueitis infecciosa bovina/vulvovaginitis pustular infecciosa

Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	5	5	bov	Animals	366	51	0	0	0	0

Anemia infecciosa equina

Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	70	70	equ	Animals	529	106	0	106	0	0

Bronquitis infecciosa aviar										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	2	2	avi	Animals	94	2	2	0	0	0
Laringotraqueítis infecciosa aviar										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	2	2	avi	Animals	1347	25	0	0	0	0
Micoplasmosis aviar (<i>M. gallisepticum</i>)										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	1	1	avi	Animals	66	1	0	0	0	0
Enfermedad de las manchas blancas										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	1	1	cru	Animals	3960000	396000	396000	0	3564000	0
Loque americana de las abejas melíferas										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	1	1	api	Hives	78	1	0	0	0	0
Loque europea de las abejas melíferas										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	8	8	api	Hives	300	10	0	0	0	0
Varroosis de las abejas melíferas										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	17	17	api	Hives	1261	17	0	0	0	0
Girodactilosis (<i>Gyrodactylus salaris</i>)										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	5	5	pis	Animals	3000000	900000	900000	3000	0	0
Necrosis hipodérmica y hematopoyética infecciosa										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	5	5	cru	Animals	20000000	5000000	1000000	0	10000000	0
Brucelosis (<i>Brucella abortus</i>)										
Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	56	56	bov	Animals	3818	364	0	0	364	3818

Disease information for Costa Rica Jan - Dec, 2007

4. Unreported Diseases.

Comunes a varias especies

Actinomicosis	Botulismo	Brucelosis (<i>Brucella melitensis</i>)
Brucelosis (<i>Brucella suis</i>)	Carbunco sintomático	Coccidiosis
Enterotoxemia	Fasciolosis hepática	Filariosis
Listeriosis	Otras infecciones clostridiales	Otras pasterelosis
Salmonelosis (<i>S. abortusequi</i>)	Salmonelosis intestinales	Toxoplasmosis
Triquinelosis		

Bovinos

Barros	Diarrea viral bovina	Enfermedad de las mucosas/Diarrea viral bovina
Fiebre catarral maligna (Ñu solamente)		

Ovinos/Caprinos

Pedero	Sarna ovina	Seudotuberculosis de los ovinos
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Suidos

Cisticercosis porcina	Disenteria vibriónica	Erisipela porcina
Gastroenteritis transmisible	Melioidosis	

Équidos

Encefalomiелitis equina del Este	Encefalomiелitis equina del Oeste	Encefalomiелitis equina venezolana
Gripe equina	Linfangitis ulcerosa bacteriana	Papera equina

Aves

Avian mycoplasmosis (<i>M. synoviae</i>)	Cólera aviar	Coriza aviar
Encefalomiелitis aviar	Espiroquetosis aviar	Leucosis aviar
Pulorosis	Rinotraqueítis del pavo	Salmonelosis aviar (excluyendo tifosis aviar y pulorosis aviar)
Tifosis aviar		

Otras

Leishmaniosis		
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Peces

Herpesvirosis de la carpa koi		
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Moluscos

Mortalidad viral de los abalones		
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Crustáceos

Baculovirosis esférica (baculovirus de tipo Penaeus monodon)	Baculovirosis tetraédrica (Baculovirus penaei)	
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5. Summary on non OIE-Listed diseases/infections present in Costa Rica.

NON OIE-Listed disease	occurrence	Serotype(s)	New outbreaks	Total outbreaks	Species	Control Measures	Routine Vaccinated	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
Nosemosis de las abejas	+	No	...	...	api	* Qf T GSu		Hives	543	28	0	0	0	0

6. Non OIE-Listed diseases absent in Costa Rica during the reporting period or never reported.

Ovinos/Caprinos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Ectima contagioso	0000	***	Qf	...
Querato-conjuntivitis rickétsica	0000	***	Qf	...

Équidos

Disease:	Date of last occurrence	Species	Control Measures	Routine Vaccinated
Exantema genital equino	0000	equ	Qf	

7. Detailed quantitative information for non OIE-Listed diseases/infections present in Costa Rica.

Disease information by State by month from Jan - Dec 2007

Disease information for Costa Rica by month from Jan - Dec 2007

Disease information by State from Jan - Dec 2007

Disease information for Costa Rica Jan - Dec, 2007

Disease information for Costa Rica Jan - Dec, 2007

Nosemosis de las abejas

Serotype(s)	New outbreaks	Total outbreaks	SPE	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Ring vaccinated
No	13	13	api	Hives	543	28	0	0	0	0
			api	Hives	543	28	0	0	0	0

8. Unreported Diseases.

Comunes a varias especies

Actinomicosis	Botulismo	Brucelosis (Brucella melitensis)
Brucelosis (Brucella suis)	Carbunco sintomático	Coccidiosis
Enterotoxemia	Fasciolosis hepática	Filariosis
Listeriosis	Otras infecciones clostridiales	Otras pastereelosis
Salmonelosis (S. abortusequi)	Salmonelosis intestinales	Toxoplasmosis
Triquinelosis		

Bovinos

Barros	Diarrea viral bovina	Enfermedad de las mucosas/Diarrea viral bovina
Fiebre catarral maligna (Ñu solamente)		

Ovinos/Caprinos

Pedero	Sarna ovina	Seudotuberculosis de los ovinos
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Suidos

Cisticercosis porcina	Disenteria vibriónica	Erisipela porcina
Gastroenteritis transmisible	Melioidosis	

Équidos

Encefalomielit equina del Este	Encefalomielit equina del Oeste	Encefalomielit equina venezolana
Gripe equina	Linfangitis ulcerosa bacteriana	Papera equina

Aves

Avian mycoplasmosis (M.synoviae)	Cólera aviar	Coriza aviar
Encefalomieltis aviar	Espiroquetosis aviar	Leucosis aviar
Pulorosis	Rinotraqueítis del pavo	Salmonelosis aviar (excluyendo tifosis aviar y pulorosis aviar)
Tifosis aviar		

Otras

Leishmaniosis		
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Peces

Herpesvirosis de la carpa koi		
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Moluscos

Mortalidad viral de los abalones		
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Crustáceos

Baculovirosis esférica (baculovirus de tipo Penaeus monodon)	Baculovirosis tetraédrica (Baculovirus penaei)	
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9. Zoonoses in Humans.

Disease:	Human cases	Human deaths
Botulismo	+(...)	+(...)
Brucelosis	31	0
Campilobacteriosis	+(...)	+(...)
Carbunco bacteridiano	+(...)	+(...)
Cisticercosis bovina	...	...
Cisticercosis porcina	...	...
Clamidiosis aviar	0	0
Encefalitis japonesa	0	0
Encefalitis japonesa	0	0
Encefalitis por virus Nipah	0	0
Encefalomieltis equina venezolana	0	0
Equinococosis/hidatidosis	0	0
Erisipela porcina	+(...)	+(...)
Escherichia coli O157	0	0
Fiebre del Nilo Occidental	0	0
Fiebre del Valle del Rift	0	0
Fiebre hemorrágica de Crimea-Congo	0	0
Fiebre hemorrágica de Ebola	0	0
Fiebre hemorrágica de Marburg	0	0
Fiebre Q	0	0
Influenza aviar altamente patógena	0	0
Leishmaniosis	1606	0
Leptospirosis	96	0
Listeriosis	...	...
Miasis por Chrysomya bezziana	0	0
Miasis por Cochliomyia hominivorax	0	0
Muermo	0	0
Nueva variante de la enfermedad de Creutzfeldt-Jakob	0	0
Rabia	0	0
Salmonelosis	87	0
Síndrome pulmonar por hantavirus (SPH)	0	0
Toxoplasmosis	...	...
Triquinelosis	+(...)	+(...)
Tuberculosis bovina	0	0
Tularemia	0	0
Tularemia	0	0
Viruela del mono	0	0

10. Animal population.

Species	Production	Total	Units	Number	
Abejas	ALAJUELA	4616	Hives	100	Apiaries
	CARTAGO	180	Hives	4	Apiaries
	GUANACASTE	9890	Hives	249	Apiaries

	HEREDIA	...	Hives	0	Apiaries
	LIMON	...	Hives	0	Apiaries
	PUNTARENAS	3682	Hives	133	Apiaries
	SAN JOSE	8306	Hives	92	Apiaries
Aves	ALAJUELA	12158938	Animals	483	Establishments
	CARTAGO	...	Animals	0	Establishments
	GUANACASTE	...	Animals	0	Establishments
	HEREDIA	347600	Animals	27	Establishments
	LIMON	...	Animals	0	Establishments
	PUNTARENAS	...	Animals	0	Establishments
	SAN JOSE	1597000	Animals	89	Establishments
Bovinos	ALAJUELA	408365	Animals	14223	Establishments
	CARTAGO	43653	Animals	1965	Establishments
	GUANACASTE	323489	Animals	7563	Establishments
	HEREDIA	66739	Animals	2538	Establishments
	LIMON	179579	Animals	6307	Establishments
	PUNTARENAS	257557	Animals	8295	Establishments
	SAN JOSE	90333	Animals	5749	Establishments
Peces	ALAJUELA	1112	Tonnes	792	Establishments
	CARTAGO	152	Tonnes	138	Establishments
	GUANACASTE	14200	Tonnes	30	Establishments
	HEREDIA	111	Tonnes	73	Establishments
	LIMON	846	Tonnes	31	Establishments
	PUNTARENAS	88	Tonnes	24	Establishments
	SAN JOSE	265	Tonnes	232	Establishments
Suidos	ALAJUELA	114907	Animals	3773	Establishments
	CARTAGO	31138	Animals	344	Establishments
	GUANACASTE	42562	Animals	2440	Establishments
	HEREDIA	11148	Animals	595	Establishments
	LIMON	33783	Animals	1976	Establishments
	PUNTARENAS	53023	Animals	2715	Establishments
	SAN JOSE	49767	Animals	878	Establishments
Crustáceos	ALAJUELA	...	Tonnes	0	Establishments
	CARTAGO	...	Tonnes	0	Establishments
	GUANACASTE	2164	Tonnes	47	Establishments
	HEREDIA	...	Tonnes	0	Establishments
	LIMON	...	Tonnes	0	Establishments
	PUNTARENAS	2564	Tonnes	71	Establishments
	SAN JOSE	...	Tonnes	0	Establishments

11. Personnel.

Veterinary Personnel			
Veterinarians:			
	Public Administration	total	Private Accredited Practitioners
Animal health activities	96		80
Public Health activities (abattoirs, food hygiene, etc.)	17		46
Laboratories	9		0
Academics or Training Institutions		84	
Private practitioners in the pharmaceutical industry		217	
Independent Private Veterinarians		563	
Others		...	
(Specify With A Short Note)			
Veterinary Paraprofessionals			
Animal health activities		74	
'Community Animal Health workers'		0	
Involved in food hygiene, including the abattoirs		17	

12. National reference laboratories.

National reference laboratories			
Name	Contacts	Latitude	Longitude
Laboratorio de Bacteriología	Doctor Barquero Calvo Elías	9.9787	-84.1286
National reference laboratories			

Name	Contacts	Latitude	Longitude
Laboratorio de Patología Apícola de la Escuela de Medicina Veterinaria de la Universidad Nacional	Doctor Calderón Fallas Rafael	10.01	-84.07
National reference laboratories			
Name	Contacts	Latitude	Longitude
Laboratorio de Patología de la Escuela de Medicina Veterinaria de la UNA	Doctor Morales Acuña Juan Alberto	9.9787	-84.1286
National reference laboratories			
Name	Contacts	Latitude	Longitude
Laboratorio de Virología, Escuela de Medicina Veterinaria, UNA	Doctor Jiménez Sánchez Carlos	9.9787	-84.1286
National reference laboratories			
Name	Contacts	Latitude	Longitude
Laboratorio Nacional de Servicios Veterinarios	Doctora Ureña Brenes Marieta	9.97362	-84.1208

13. Diagnostic Tests.

Diagnostic Tests		
List the types of tests for different diseases that each of the laboratories is capable of performing.		
Laboratory	Disease:	Test Type
Laboratorio de Patología Apícola de la Escuela de Medicina Veterinaria de la Universidad Nacional	Loque americana de las abejas melíferas	agar-gel immunodiffusion (AGID)
		pathogenic agent isolation on culture
	Loque europea de las abejas melíferas	agar-gel immunodiffusion (AGID)
		pathogenic agent isolation on culture
Laboratorio de Patología de la Escuela de Medicina Veterinaria de la UNA	Encefalopatía espongiiforme bovina	histopathological examination
Laboratorio de Virología, Escuela de Medicina Veterinaria, UNA	Laringotraqueítis infecciosa aviar	polymerase chain reaction (PCR)
Laboratorio Nacional de Servicios Veterinarios	Anemia infecciosa equina	Coggin's test
	Bronquitis infecciosa aviar	enzyme-linked immunosorbent assay (ELISA)
	Brucelosis bovina	competitive ELISA (c-ELISA)
		rose bengal test (RBT)
	Enfermedad de las manchas blancas	polymerase chain reaction (PCR)
	Enfermedad de Newcastle	haemagglutination inhibition test (HIT)
		pathogen isolation by egg inoculation
	Influenza aviar altamente patógena	agar-gel immunodiffusion (AGID)
		enzyme-linked immunosorbent assay (ELISA)
		pathogen isolation by egg inoculation
		polymerase chain reaction (PCR)
	Laringotraqueítis infecciosa aviar	agar-gel immunodiffusion (AGID)
		enzyme-linked immunosorbent assay (ELISA)
		polymerase chain reaction (PCR)
	Leptospirosis	microscopic agglutination test (MAT)
Leucosis bovina enzoótica	enzyme-linked immunosorbent assay (ELISA)	
Miasis por Cochliomyia hominivorax	entomological investigations	
Micoplasmosis aviar (M. gallisepticum)	enzyme-linked immunosorbent assay (ELISA)	
Necrosis hipodérmica y hematópoyética infecciosa	polymerase chain reaction (PCR)	
Peste porcina clásica	antibody detection ELISA	
	antigen (Ag) detection ELISA	
	polymerase chain reaction (PCR)	
Rabia	direct immunofluorescence (DIF) test	
Rinotraqueítis infecciosa bovina/vulvovaginitis pustular infecciosa	enzyme-linked immunosorbent assay (ELISA)	
Síndrome de Taura	polymerase chain reaction (PCR)	
Tuberculosis bovina	tuberculin test	

14. Vaccine Manufacturers.

Vaccine Manufacturers			
Manufacturer	Contacts	Year of start of activity	Year of cessation of activity

15. Vaccines.

16. Vaccine production.

Vaccine production			
Manufacturer	Vaccine	Doses produced	Doses exported

Finalise Report

WARNING: This report has not been changed since its previous submission.

- This report has been previously submitted to OIE.