



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL
Unit 04 - Veterinary Control Programmes

SANCO/3780/2008

Programmes for the eradication, control and monitoring of certain animal diseases and zoonoses

Surveillance and Eradication programme of Bluetongue

Approved* for 2009 by Commission Decision 2008/897/EC

Hungary

* in accordance with Commission Decision 90/424/EEC

ANNEX II

Submission of programme of monitoring of bluetongue co-financed by the Community

1. Identification of the programme

Member State: HUNGARY

Disease(s): BLUETONGUE

Year of implementation: 2009

Reference of this document: /2008

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2. Historical data on the epidemiological evolution of the disease(s)²

The first Hungarian occurrence of the bluetongue disease was confirmed on 5th of September, 2008.

This was detected by the prescribed testing method that is all animals originating from an infected country must be isolated and tested for Bluetongue disease serologically. In case of seropositivity or vaccinated animals, virological testing shall be carried out.

On 4th of July, 2008 142 charolais cattle arrived to Borsod-Abaúj-Zemplén County from France. According to the transport documentation all animals were tested before the transport with negative results for the bluetongue disease in accordance with the Commission Regulation

¹ One document per disease is used unless all measures of the programme on the target population are used for the monitoring, the control and eradication of different diseases.

² A concise description is given with data on the target population (species, number of herds and animals present and under the programme), the main measures (testing, testing and slaughter, testing and killing, qualification of herds and animals, vaccination ...) and the main results (incidence, prevalence, qualification of herds and animals). The information is given according distinct periods if the measures were substantially modified. The information is documented by relevant summary epidemiological tables, graphs or maps.

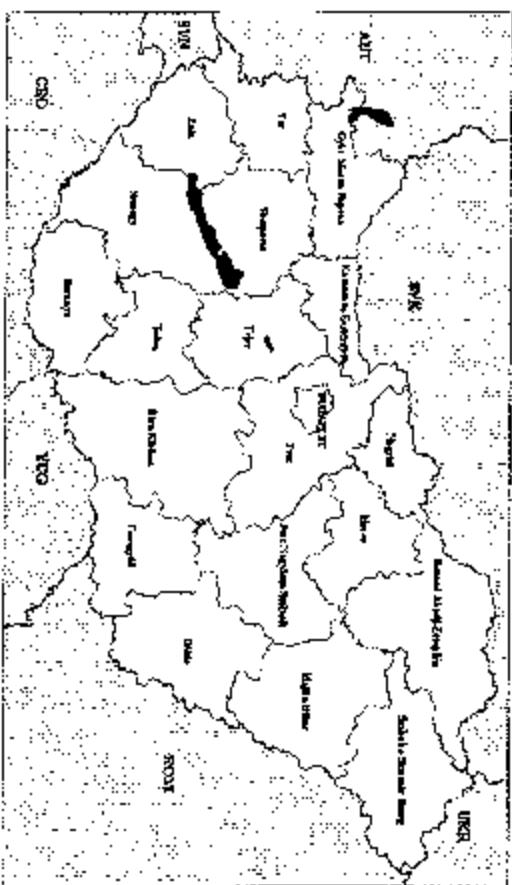
1266/2007/EK. After the arrival the animals were isolated on the farm. Control tests were performed during the isolation period and 47 animals were found to be seropositive and 1 to be viropositive. The viropositive animal was killed and disposed. The repeated control tests showed that subsequent 17 animals were viropositive out of the 47 seropositive cattle. All viropositive animals were killed and disposed. The seropositive, but virologically negative animals were slaughtered.

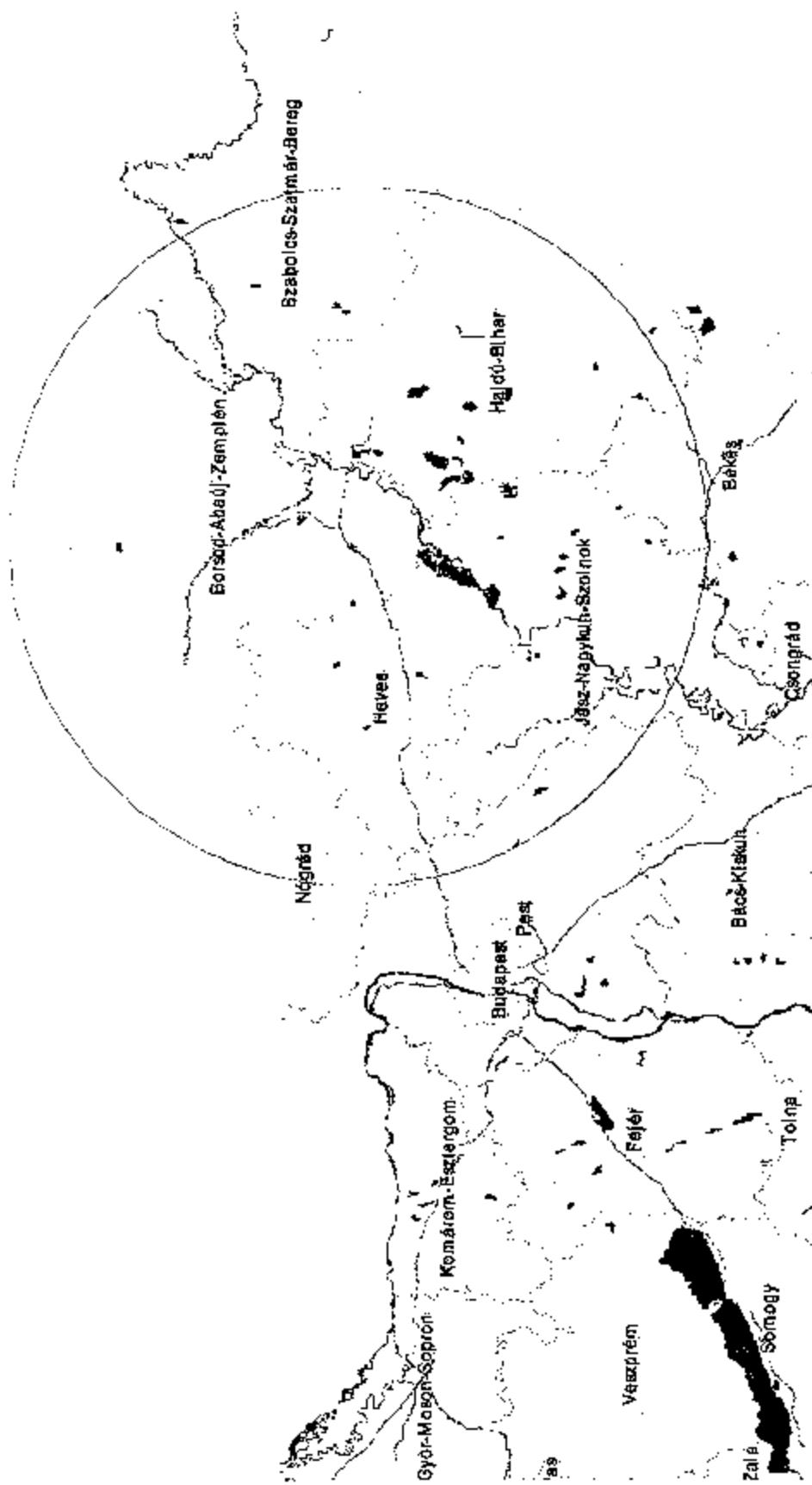
Due to the above mentioned results immediate control testing was carried out on the 281 animals originally held on the same Hungarian farm. 4 seropositive cases were found. These animals were subjected to further virological examination, which showed that all of them were positive for the bluetongue virus. These viropositive animals were killed and disposed.

The bluetongue disease was confirmed on 5th of September 2008. This fact was reported to the Commission of the European Union and also to the World Organisation for Animal Health (OIE).

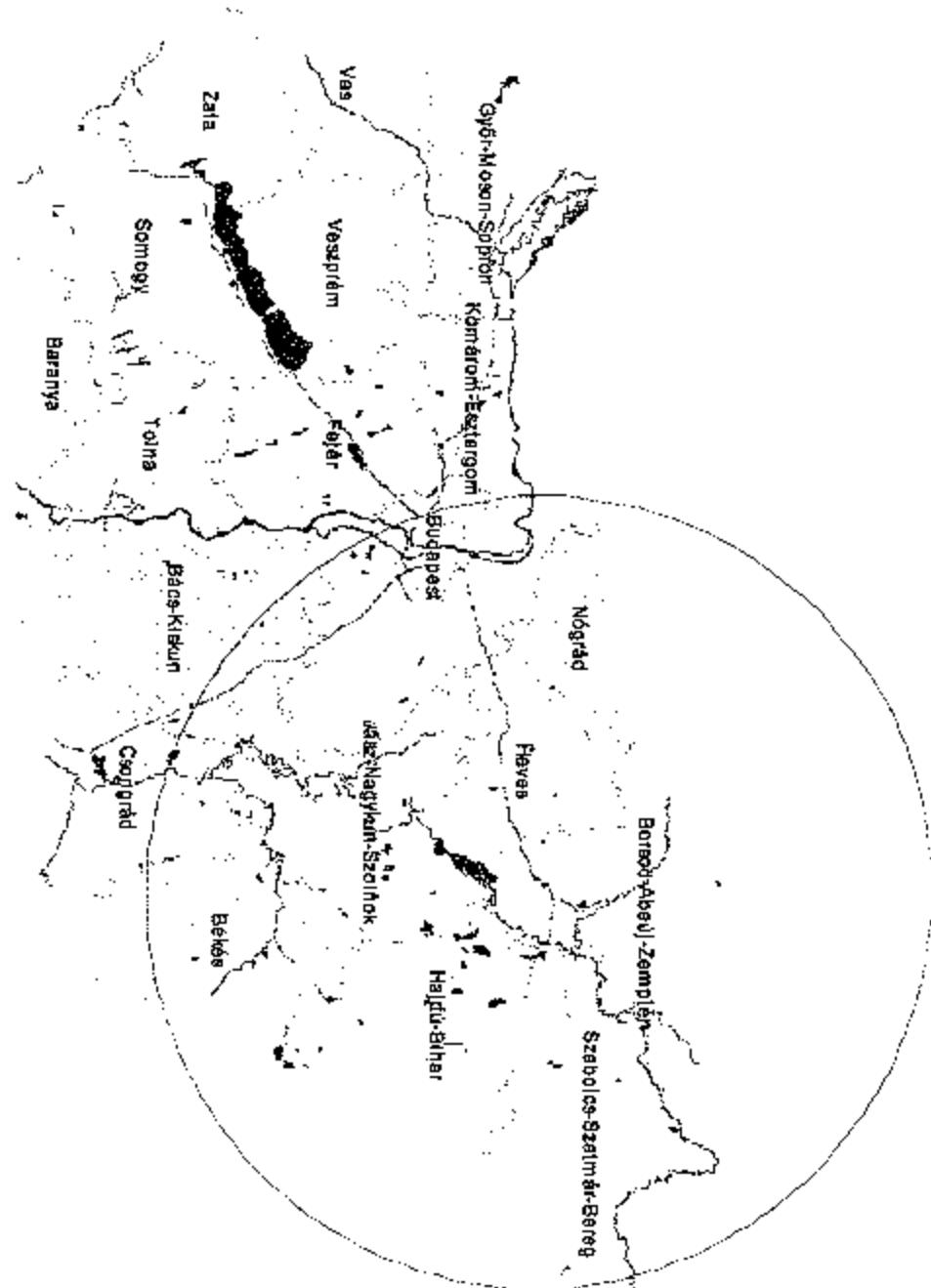
The protection zone and the surveillance zone was set up and monitoring tests were ordered to survey the spread of the disease. Movement restrictions were implemented. Disinsectisation was carried out in the zone with a radius of 20 km around the outbreak in order to eliminate the vectors.

Map 1: Hungary and its 19 counties





Map 2: the bluetongue protection zone with the radius of 100 km in Hungary.



Map 3: the bluetongue surveillance zone with the radius of 150 km in Hungary.

3. Description of the submitted programme³:

3.1. Aim of the submitted programme:

The aim of the submitted programme is to follow up the possible spread of the bluetongue virus in the high risk areas (in the restricted zones) and to detect the introduction of new bluetongue serotypes. We would also use the monitoring and surveillance programme for identifying the vector species and for the determination of the seasonally vector free period.

The other aim is to demonstrate the absence of certain bluetongue serotypes and to detect the presence of the disease at the earliest stage in the free zones.

Hungary has just confirmed the first cases of bluetongue disease therefore the results of the monitoring programme are still under process. In case of unfavourable results (new detections of the disease) Hungary is planning to implement mass vaccination in the protection zone (100 km radius).

3. Legal background in Hungarian law in force at present:

Hungarian Act No XI.VI. 2008 on Food Chain and its official control

Decree No. 41/1997. (V. 28.) of the Ministry of Agriculture on issuing the Animal Health Code.

Detailed rules are prescribed in Decree No 35/2002 of MÁRD laying down the protective measures against Bluetongue, issued on 27th April, 2002.

³ A concise description of the programme is given with the main objective(s) (monitoring, control, eradication, qualification of herds and/or regions, reducing prevalence and incidence ...), the main measures (testing, testing and slaughter, testing and killing, qualification of herds and animals, vaccination ...), the target animal population and the area(s) of implementation and the definition of a positive case.

3. Applied diagnostics and testing methods:

In the restricted zones:

A) Passive clinical surveillance

The Hungarian and European legislation in force ensures that owners or holders of animals as well as veterinarians must report promptly any suspicion of bluetongue to the competent authority. All suspected cases of bluetongue must be investigated immediately.

The competent authority made and distributed a prospectus for the holders of animals about the characteristics of bluetongue. For the official veterinarians training courses are to be held by the county offices.

The veterinarians shall register all holdings (of susceptible species), examine the stocks, give a prospectus to the holder and inform them about the implemented restrictive measures.

B) Serological monitoring with sentinel animals

The geographical unit of reference for bluetongue monitoring is defined by a grid of around 45 x 45 km. The required number of sample is prescribed for each county (a region as defined in Article 2(p) of Directive 64/432/EEC). The calculation is based on the sentinel number in each geographical unit (approximately 2 000 km²) which is sufficient to detect a monthly incidence of seroconversion of 2% with 95% confidence (in accordance with Annex I point 1.1. of Commission Regulation No 1266/2007/EU) and this is adjusted to the size of each county affected by the restriction zone.

These serological examinations must be carried out monthly.

With this method the sample sizes in the restricted zone are the following (sample number/county/month):•

Bács-Kiskun	150
Rékes	300
Borsod-Abaúj-Zemplén	543
Csongrád	150
Budapest and Pest county	450
Hajdú-Bihar	467
Heves	273
Jász-Nagykun-Szolnok	420
Komárom-Esztergom	45
Nógrád	188
Szabolcs-Szatmár-Bereg	450
Total	3436

- Sample size was determined in the restricted part of the counties.

C) Entomological testing

In accordance with Annex I, point 1, of Commission Regulation No 1266/2007 1 trap pro 45 km x 45 km zone will be placed in the restricted zone.

The traps operate from early afternoon till dawn, at least one night per week, at least during the period of the year necessary to determine the beginning and the end of the seasonally vector free period.

The trapped midges are collected, and transported to the laboratory, where the vector species must be determined.

After specification of vector species virological examination must be carried out if the midges are infected or not with the Bluetongue virus.

Outside the restricted zones:

A) Passive clinical surveillance

As it is described above the Hungarian legislation demands that owners or holders of animals as well as veterinarians must report promptly any suspicion of bluetongue to the competent authority. All suspected cases of bluetongue must be investigated immediately.

Awareness campaigns are put in place enabling veterinarians and farmers in identifying clinical signs of bluetongue.

B) Serological surveillance

Outside the restricted zone the sampling size must be calculated with 0,5 % prevalency and 95 % confidence due to the Annex I, point 2.2, of the Commission Regulation No 1266/2007.

These serological examinations shall be carried out in October and November, as the scientific data shows, this is the most likely period to detect the seroconversion.

The prescribed number of samples: 14000 per year

Testing method for animals imported from infected countries

All animals originating from an infected country must be isolated and tested for Bluetongue serologically. In case of scropozitivity or vaccinated animals, virological testing shall be carried out.

3.5. Plans for the future:

In case of unfavourable results of the ongoing monitoring programme, Hungary is planning to implement mass vaccination in the protection zone (100 km radius).

Estimated number of susceptible animals: 1,000,000

4. Measures of the submitted programme

4.1. Summary of measures under the programme

Duration of the programme:

First year: 2008
Last year: unknown

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- ✓ Testing
- ✓ Slaughter of positive animals
- ✓ Killing of positive animals
- ✓ Vaccination
- ∅ Treatment
- ∅ Disposal of products

Monitoring of surveillance

Q Other measures (*specify*):

- ✓ Testing
- ✓ Slaughter of positive animals
- ✓ Killing of positive animals
- ✓ Extended slaughter or killing
- ✓ Disposal of products

Bluetongue co-financing 2009

4. Designation of the central authority charged with supervising and coordinating the departments responsible for implementing the programme⁴:

1. National Authorities

a.) Central Agricultural Office

Animal Health and Animal Welfare Directorate

Division for Animal Health

- determines the date and territorial expansion of the monitoring;
- keeps contact with national institutes (public health, disaster recovery), with Ministries of other countries, with EU Institutes;
- coordinates and supervises the implementation procedures carried out by:
 - Agricultural Office Directorates of Food Chain Safety and Animal Health in the counties (19)
 - tasks: official veterinarians supervise of the sampling
 - impose penalties for keepers did not cooperate in the sampling
- Veterinary Institutes (3)
 - tasks: national reference laboratory for bluetongue

b.) Ministry of Agriculture and Rural Development

H-1055 Budapest

Kossuth square 11.

Department of Food Chain Control, Animal Health and Animal Welfare Unit
Chief Veterinary Officer of Hungary

4.3. Description and delimitation of the geographical and administrative areas in which the programme is to be implemented⁵:

The bluetongue monitoring programme is carried in the restricted zone (see map 2 and 3).

⁴ Describe the authorities charged with supervising and coordinating the departments responsible for implementing the programme and the different operators involved.
Describe the responsibilities of all involved.

⁵ Describe the name and denomination, the administrative boundaries, and the surface of the administrative and geographical areas in which the programme is to be applied.
Illustrate with maps.

The affected settlements in the protection zone by county:

a) Békés county

Bucsa	Ecségfalva	Gyomaendrőd	Körösladány
Dévaványa	Füzesgyarmat	Kerteszsziget	Szeghalom

b) Borsod-Abaúj-Zemplén county

Abaújapár	Dóvénym	Imola	Nyékáldháza	Szendrő
Abaújkér	Dubicsány	Ináncs	Nyésta	Szendrőlád
Abaújlak	Edelény	Irota	Nyíri	Szentistván
Abaújszántó	Egerlővő	Izsófalva	Nyomár	Szentistvánbáksa
Abaújszolnok	Égerszög	Jákfalva	Olaszliszka	Szerencs
Abaújvár	Emőd	Járdánháza	Onga	Szikszó
Abod	Encs	Jósvaló	Ónod	Szin
Aggtelek	Erdőbénye	Kács	Ormosbánya	Szinetér
Alacska	Erdőhorváti	Kánó	Oszlár	Szirmabesenyő
Alsóberecki	Fáj	Kány	Ózd	Szomolya
Alsódobsza	Fáncsal	Karcsa	Pácin	Szögliget
Alsógagy	Farkaslyuk	Karos	Pálháza	Szalkásardó
Alsóregmec	Felsőbereki	Kazincbarcika	Pamlény	Szuhaftó

Alsószuhá	Felsődobsza	Kázmérk	Pányok	Szuhakálló
Alsótelekes	Felsőgagy	Kékéj	Parasznya	Szuhoggy
Alsóvadász	Felsőkelecsény	Kelenér	Pere	Taktabaj
Alsózsolca	Felsőnyárád	Kenézlő	Perecse	Taktaharkány
Árka	Felsőregmec	Keresztéte	Perkupa	Taktakénéz
Áriő	Felsőtelekes	Kesznyéten	Prügy	Taktaszada
Arnolt	Felsővadász	Kírald	Pusztafalu	Tályia
Árokfű	Felsőzsolca	Kiscsécs	Pusztafaradvány	Tarcal
Ászaló	Filköháza	Kisgyör	Putnok	Tard
Báktakék	Fony	Kishuta	Rádostyán	Tardona
Balají	Forró	Kiskinizs	Rágály	Telkibánya
Bánhorváti	Fülökkeres	Kissikátor	Rákaca	Tereszlenye
Bánréve	Füzér	Kistokaj	Rákacaszend	Tiboldaróc
Baskú	Füzérkajata	Komjáti	Rásonysáberencs	Tiszababonka
Bécskeháza	Füzérkomlós	Komlóská	Rátka	Tiszacsemely
Békécs	Füzéradvány	Kondó	Regéc	Tiszadobrogma
Berenke	Gádha	Korlát	Répáshuta	Tiszakarád
Beret	Gagyapáti	Kovácsvágás	Ricsé	Tiszakeszsi

Berzék	Gagybátor	Köröm	Rudabánya	Tiszaújváros
Bodroghalom	Gagyvendégi	Krasznokvajda	Rudolftelep	Tiszalúc
Bodrogkeresztúr	Galvács	Kupa	Sajóbábyon	Tiszapalkonya
Bodrogkisfalud	Garadna	Kurilyán	Sajócseg	Tiszatardos
Bodrogolaszi	Gelej	Ládbesenyő	Sajógalgóc	Tiszalaján
Bódvalenke	Gesztelej	Lak	Sajóhídveg	Tiszaujváros
Bódvarárákó	Girincs	Legyesbénye	Sajóivánka	Tiszaúválk
Bódvaszilas	Golop	Léh	Sajókápolna	Tokaj
Bogács	Gömörszőlős	Lénárddaróc	Sajkazsa	Tolcsva
Boldogkőújfalu	Gönc	Litka	Sajókeresztür	Tomor
Boldogkőváralja	Göncruszka	Mád	Sajólád	Tornabarakony
Boldva	Györgyfári	Makkoshotyka	Sajoltaszlófalva	Tornakápolna
Borsodbóta	Halmaj	Mályi	Sajómercse	Tornahádaska
Borsodgeszti	Hangács	Mályinka	Sajónémeti	Tornászentandás
Borsodivánka	Hangony	Martonyi	Sajóörös	Tomaszenjákab
Borsodnádasd	Haromhuta	Megyaszó	Sajópálfa	Tornyosnémeti
Borsodszentgyörgy	Harsány	Méra	Sajópetri	Trics
Borsodszirák	Hegymeg	Meszes	Sajópüspöki	Újcsanálos

Bózsva	Hejce	Mezőcsát	Sajósenye	Uppony
Bőcs	Hejőbába	Mezőkereszes	Sajószentpéter	Vadna
Bükkábrány	Hejőkereszstúr	Mezőkövesd	Sajószöged	Vágashuta
Bükkaranyos	Hejkürt	Mezőnagymihály	Sajovámos	Vajdácska
Bükkmogyoród	Hejőpapi	Mezőnyárád	Sajóvelezd	Vámosújfalu
Bükkszenkereszt	Hejőszalonta	Mezőzombor	Sály	Varbó
Bükkszerc	Hercegkút	Miklósháza	Sárzsadány	Várbóc
Büttös	Hernádbud	Miskolc	Sárospatak	Vártka
Cigánd	Hernádcéce	Mogyoróska	Sáta	Vilmány
Csenyéte	Hernádkak	Monaj	Sátoraljaujhely	Vilonyitány
Cserépfalu	Hernádkérce	Monok	Selyeb	Víss
Cserépváralja	Hernádnémeti	Műcsong	Serecsenyfalva	Vízsló
Csernely	Hernádpetri	Muhি	Síma	Vizsoly
Csincse	Hernádszentandrás	Nagybarca	Sóstófalu	Zádorfalva
Csobád	Hernádszurdok	Nagycsécs	Szakácsi	Zalkod
Csobai	Hernádvéce	Nagyfinta	Szakáld	Ziliz
Csokvaomány	Hét	Nagykörönsz	Szalaszend	Zsujta
Danak	Hidasnémeti	Nagyrozvágy	Szalonna	Zubogy

Debrete	Hidvégardó	Négyes	Szászfa
Dédestapolcsány	Hollóháza	Nékézsény	Szegi
Deteck	Homrogrd	Nemesbikk	Szegilong
Domaháza	Igrici	Novajidrány	Szemere
c) Hajdú-Bihar county			
Almosd	Ebes	Hajdúszovát	Nádudvar
Bagamér	Egyek	Hencida	Nagyhegyes
Bakonszeg	Esztár	Hortobágy	Nagykeréki
Balmazújváros	Folyas	Hosszúpályi	Nagyfábi
Báránd	Földes	Kaba	Nyírábrány
Berettyóújfalu	Furta	Kismarja	Nyíracstád
Bihardancsháza	Fülöp	Kokad	Nyíradony
Biharkeresztes	Gáborján	Komádi	Nyírmártonfalva
Biharmagybajom	Görbeháza	Konyár	Pocsaj
Bihartorda	Hajdúbagos	Kőrösszegapáti	Polgár
Bocskaikeret	Hajdúbörzsörmény	Létavértes	Puspokiadásny
Bojt	Hajdúdorog	Mágyarhomorog	Sáp
Csókmó	Hajdúhadház	Mezőpeterd	Sáránd
			Vékend

Darvas	Hajdúnánás	Mezősas	Sárréduvári	Zsáka
Debrecen	Hajdúszámson	Mikepérce	Szentpéterszeg	
Derecske	Hajdúszoboszló	Monostorpályi	Szerep	

d) Heves county: all settlements

c) Jász-Nagykun-Szolnok county

Abádszalók	Jászdzsáza	Kőtelek	Szajol	Tiszaszentimre
Alattyán	Jászfelsőszentgyörgy	Kuncsonba	Szászberek	Tiszaszabolcs
Berekfürdő	Jászfényszaru	Kunhegyes	Szolnok	Tiszatenyő
Besenyeszög	Jászivány	Kunmadaras	Tiszabő	Tiszavárkony
Csataszög	Jászjákóhalmá	Martfű	Tiszabura	Tornajmonostora
Fégyvernek	Jászkisér	Mesterszállás	Tiszaderzs	Tószeg
Hunyadfalva	Jászladány	Mezőhek	Tiszafüldvár	Törökszentmiklós
Jánoshida	Jászszentandrás	Mezőtúr	Tiszafüred	Türkéve
Jászágó	Jásztelek	Nagyiván	Tiszagyenda	Újszász
Jászapáti	Jászszentgyörgy	Nagykőrű	Tiszaihar	Vézsény
Jászapáti	Kenderes	Órményes	Tiszaörs	Zagyvarékas
Jászárokszállás	Kengyel	Puszlamonostor	Tiszapüspöki	
Jászberény	Kélpő	Rákóczifalva	Tiszaroff	

Jászboldogháza	Kisújszállás	Rákócziújfalu	Tiszasüly
I) Nógrád county			
Alsótold	Erdőtarcsa	Kisbágyon	Mihálygerge
Bánya	Étes	Kisbátkány	Nagybátkány
Bátonyterenye	Felsőtold	Kishartyán	Nagykeresztür
Bér	Garáb	Kozárd	Nagykóc
Bercel	Héhalom	Kutasdó	Nemti
Bokor	Herencsény	Litke	Nógrádmegyer
Buják	Hollókő	Lucfalva	Nógrádsipék
Cered	Ipolytamács	Ludányhalász	Nógrádszakál
Csécse	Jobbágyi	Magyargéc	Palotás
Cserhátszentiván	Káló	Márkháza	Pásztó
Dorogháza	Karancsalja	Mátramindszent	Piliny
Ecseg	Karancsberény	Mátrahává	Rákócziújfalu
Egyházasdengeteg	Karancskeszsi	Mátraszele	Ványarc
Egyházasgerge	Karancslapujtő	Mátraszőlős	Rimóc
Endrefalva	Karancsság	Mátraterenyé	Sálgótarján
Erdökűrt	Kazár	Mátraverebély	Sámsomkáza

§) Szabolcs-Szatmár-Bereg county

Aják	Gyulaháza	Nyírbátor	Nyírtura	Tiszabercel
Apagy	Ibrány	Nyírbéltek	Ófehérfő	Tiszadada
Baktalórántháza	Kállosemjén	Nyírbogdát	Pászab	Tiszadob
Balkány	Kálmánháza	Nyírbogdány	Pátróha	Tiszaeszlár
Balsa	Kántorjánnosi	Nyírdezs	Penészlek	Tiszakanyár
Berkesz	Kék	Nyíregyháza	Pethneháza	Tiszalök
Besenyőd	Kékce	Nyírgelse	Pricse	Tiszanagyfalu
Beszterec	Kemecse	Nyírgyulaj	Pócspetri	Tiszarád
Bir	Kistele	Nyírbrony	Rakamaz	Tiszatelek
Bük	Kótaj	Nyírijákó	Ramocsaújháza	Tiszavasvári
Buj	Laskod	Nyírkárasz	Rétközberencs	Újdombord
Demecser	Levelek	Nyírkéracs	Sényő	Újfehérfő
Dombrád	Magy	Nyírlugos	Szabolcs	Vaja
Encsőcs	Máriapócs	Nyírmiháldi	Szabolcsveresmart	Vasmegyer
Épatak	Nagycsérkesz	Nyírpazony	Szakoly	
Gávavencsellő	Nagyhalász	Nyírhass	Székely	
Gégeny	Nagykálló	Nyítelek	Szorgalmatos	

Geszteréd	Napkor	Nyírtét	Tímár
h) Pest county			
Abony	Hévizgyörk	Szentmártontkáta	Tápiószentmárton
Aszód	Kartal	Tápióbicske	Tápiószőlős
Cegléd	Kóka	Tápiógyörgye	Tóalmás
Dány	Kőröstetetlen	Tápióság	Tótelet
Farmos	Nagykáta	Tápiószecső	Tura
Galgahévíz	Szentlőrinckáta	Tápiószéle	Üjszilvás

The affected settlements in the protection zone by county:

1. Bács-Kiskun county

Ágasegyháza	Gáter	Kunadacs	Lajosmizse	Szenkirály
Balassagyarmat	Hejőce	Kunbaracs	Lakilelek	Tiszaalpár
Bugac	Jakabszállás	Kunpeszér	Nyárfürdő	Tiszakécske
Felsőlajos	Kecskemét	Kunszállás	Pálmámonostora	Tiszaug
Fülpöháza	Kerekegyháza	Kunszentmiklós	Petőfiszálás	Várostold

Felüplakab	Kiskunfelegyháza Lendányhelye	Szabadszállás
2. Békés county		
Békés	Elek	Kétsoprony
Békéscsaba	Gádoros	Kondoros
Békésszenekarás	Gerendás	Kőrösnagybánya
Békésmegyer	Geszti	Nagybánhegyes
Biharugra	Gyula	Köröstarcsa
Csabacsűd	Hunyad	Körösfőújfalu
Csabaszbádi	Kamut	Kőlegyán
Csanádpáca	Kardos	Magyarbánhegyes
Csárdászallas	Kardoskút	Orosháza
Csonvás	Kaszáper	Medgyeshodzsás
Doboz	Kétegyháza	Óreménykút
		Újklígyós
		Zsádány
		Pusztaföldvár
		Pusztatitlaka
		Sarkad

3. Borsod-Abaúj-Zemplén county

Dámóc	Láca	Cséke	Semjén
Kisrozvágy	Révleányvár	Zemplénagárd	

4. Csongrád county

Árpádhalom	Derekegyház	Mindszent	Székkutas
Baks	Eperjes	Nagymágocs	Szentes
Csanátelek	Fabiánsebestyén	Nagyítke	Tömörkény
Csongrád	Felgyő	Szegvár	Two parts of suburb of Hódmezővásárhely (Báratlyos and Kúlsó-Rátós)

5. Hajdú-Bihar county

Ártánd Berekborszékföld Körösszakál Bedő

6. Jász-Nagykun-Szolnok county

Csekekeszöd Szelevény Cibakháza Tiszakert

Nagyrév Tiszainoka Ócsod Kunszentmárton

Csépa Tiszasas Tiszajenő

7. Komárom-Esztergom county

Dömös Pilismarót Piliscsév Esztergom Keszthely

8. Nograd county

Alsópetény	Debercseny	Iliny	Nograd	Rétság
Balassagyarmat	Dejtár	Ipolyvece	Nogradkövesd Romhány	
Bánk	Diósjehnő	Keszeg	Nogradmarcal Szanda	
Becské	Drégelypalánk	Ketbodoný	Nógrádsáp	Szállok
Berkénye	Érsekújvárad	Kisecset	Nógrádcs	Szécsenké
Borsosberény	Felsőpetény	Legénd	Öthalom	Szendehely
Csemáthaláp	Galgaguta	Magyarnándor	Óságard	Szenté
Cserhátsurány	Hont	Mohora	Patak	Szúgy
Csesztre	Horpács	Nagyorosi	Patvarc	Tereske
Csitár	Hugyag	Nézsa	Pusztaberki	Tolmács

9. Budapest and Pest county

Acsa	Dunakeszi	Kisoroszi	Péteri	Táhítófalu
Albertirsza	Dunavarsány	Kislarcsa	Pilis	Taksony
Alsónémedi	Ecser	Kocsér	Pilisborosjenő	Tatárszentgyörgy
Apaj	Érd	Kosd	Piliscsaba	Telki
Apóka	Erdőkertes	Kőspallag	Pilisszántó	Tésa
Bag	Felsőpákony	Leányfalu	Pilisszentiván	Tököl
Bénye	Fót	Lelkés	Pilisszentkereszt	Törökbalint
Bernecebaráti	Galgagyék	Maglód	Pilisszentlászló	Újhartyán
Bitorbágy	Galgamácsa	Majosháza	Pilisvörösvár	Újlengyel
Budajenő	Gombá	Márianosztra	Pócsmegyer	Úri
Budakalász	Göd	Merde	Pomáz	Üllő
Budakeszi	Gödöllő	Mikebuda	Pusztavacs	Újöröm
Budabirs	Gyál	Mogyoród	Püspökhátyan	Vác
Bugyi	Gyömrő	Monor	Püspökszilág	Vácduka
Ceglédbercel	Halásztelek	Nagybörzsöny	Rád	Vácegres
Csemő	Hernád	Nagykovácsi	Remetezsblös	Váchartyán
Csevháraszt	Iklad	Nagykőrös	Solyomlár	Váckisújfalu
Csobánka	Imárcs	Nagyimáros	Sülysáp	Vácrátót

Csomád	Ipolydamásd	Nagyfarcas	Szada	Vámosmikola
Csömör	Ipolytölgyes	Nyáregyháza	Százhalombatta	Vassad
Csőrög	Isaszeg	Nyársapáti	Szentendre	Vecses
Csővár	Jászkárajenő	Ócsa	Szigethalom	Veresegyház
Dabas	Károcs	Örbottyán	Szigetmonostor	Verőce
Dánszentmiklós	Káva	Örkény	Szigetszentmiklós	Visegrád
Délegyháza	Kemence	Pánd	Szob	Zebegény
Diósd	Kerepes	Páty	Szokolya	Budapest
Domony	Kiskunhalász	Pécel	Szód	
Dunabogdány	Kismaros	Penc	Szödliget	
Dunaharaszt	Kisnémédi	Perőcsény	Táborfalva	

10. Szabolcs-Szatmár-Berettyó county

Anacs	Gemzse	Mánd	Ókörtöfölös	Tiszaadony
Aranysapáti	Gulács	Mándok	Ómboly	Tiszabezdéd
Barabás	Győrcske	Márokpapi	Ór	Tiszacsecsé
Bátorliget	Győrtelek	Mátészalka	Panyola	Tiszakerecseny

Benk	Gyügye	Mátyus	Pap	Tiszaaköröd
Beregdaróc	Gyüre	Mérk	Pápos	Tiszamogyorós
Beregsurány	Hermánszeg	Mezőládány	Pátyod	Tiszaszalka
Bolpálad	Helefejércse	Milota	Penyige	Tiszaszentmárton
Cégénydányad	Hodász	Nábrád	Porcsalma	Tiszaújvidék
Csaholc	Ik	Nagyár	Pusztabodos	Tisztaberek
Csaroda	Jánd	Nagydobos	Rápolt	Tivadar
Császlió	Jánkmajtis	Nagyecsed	Rohod	Tormospálca
Csegőld	Jánni	Nagyszekeres	Rozsály	Tunyogmatolcs
Csenger	Jéke	Nagyvarsány	Sonkéd	Túristvándi
Csengersima	Kérsemjén	Nemesborzova	Szabolcsbáka	Túriise
Csengerújfalu	Kisar	Nyírcsaholy	Szamosangyalos	Tuzsér
Darnó	Kisnamény	Nyírcsászári	Szamosbecs	Tyukod
Döge	Kisszekeres	Nyírkáta	Szamoskér	Üjkenéz
Eperjeske	Kisvárda	Nyírlővő	Szamosályi	Ura
Fábiánháza	Kisvarsány	Nyírmada	Szamosszeg	Vállaj
Fehérgyarmat	Kocsord	Nyírmeggyes	Szamosstatárfalva	Vámosatya
Fényesliké	Komlódítófalu	Nyíparasznya	Szamosújfalak	Vámosoroszi

Fölesd	Komoró	Nyírpilis	Szatmárcseke	Vásárosnamény
Fülöpsdaróc	Kőcse	Nyírvaszári	Tákos	Záhony
Gacsály	Kőröš	Olcsva	Tarpa	Zajta
Geberjén	Lónya	Olcsvaapáti	Terem	Zsárolján
Gelénes	Lővőpetri	Ópályi	Tiborszállás	Zsurk

The surveillance programme is carried out outside the restricted zone.

4.4. *Measures implemented under the programme⁶*

4.4.1. Measures and terms of legislation as regards the registration of holdings:

In case of cattle a computerized, centralized identification and registration system (ENAR) has been operated since 1997 and each bovine herd has been registered in the frame of this system.

4.4.2. Measures and terms of legislation as regards the identification of animals⁷:

Bovine animals are subject to individual identification and registration. This obligation has been laid down in several legal texts. The most common provisions related to individual identification of animals belonging to inter alia bovine animals are laid down in the Animal Health Code and in the legal texts dealing with the animal passport which has got to accompany the animals during domestic transport.

⁶ Where appropriate Community legislation is mentioned. Otherwise the national legislation is mentioned.

⁷ Not applicable for poultry.

Special rules for bovine animals have been implemented as follows:

Individual identification of bovine animals;

t/initial 31 December 1972:

horn branding

tattooing

ear-tagging (by pre-printed or handwritten individual number)

data recorded and handled in the herd-book.

From 1 January 1973: (Decree No. 10/1972. (VIII.9.) MfM of the Minister of Agriculture and Alimentation)

ear-tagging (for most animals by pre-printed individual number)

data recording and handling on both herd and county level.

Registration and identification using central, computerised database

From 18 September 1997 (Decree No. 62/1997. (IX. 10.) MfM of Minister of agriculture

ear-tagging by pre-printed, bar-coded individual number

data recording and handling in computerised, central database.

The rules of the Decree No. 62/1997. (IX. 10.) FM were equivalent to the relevant rules of the European Union. Since 1997 due to inter alia the changes of the EU rules we have modified our rules several times. The current legislative text, namely the Decree No 99/2002. (XI.5.) FVM of Minister of Agriculture and Rural Development are fully compatible with the following Legislative Rules of the European Union: (The Decree No 99/2002. (XI.5.) FVM was modified before Accession by Decree No 12/2004. (I.31) FVM of the Minister of Agriculture & RD.)

Regulation (EC) No 1760/2000 of the European Parliament and of the Council establishing a system for the identification and registration of bovine animals and regarding the labelling of beef and beef products and repealing Council Regulation (EC) No 820/97;

Commission Regulation (EC) No 494/98 laying down detailed rules for the implementation of Council Regulation (EC) No 820/97 as regards the application of minimum administrative sanctions in the framework of the system for the identification and registration of bovine animals;

Commission Regulation (EC) No 2629/97 laying down detailed rules for the implementation of Council Regulation (EC) No 820/97 as regards ear tags, herd registers and passports in the framework of the system for the identification and registration of bovine animals;

Commission Regulation (EC) No 1082/2003 of laying down detailed rules for the implementation of Regulation (EC) No 1760/2000 of the European Parliament and of the Council as regards the minimum level of controls to be carried out in the framework of the system for the identification and registration of bovine animals;

Council Directive (EC) No 97/12 amending and updating Directive 64/432/EEC on health problems affecting intra-Community trade in bovine animals and swine;

Council Directive (EEC) No 92/102 on the identification and registration of animals.

4.4.3. Measures and terms of legislation as regards the notification of the disease:

- Hungarian Act No XI.VI. 2008 on Food Chain and its official control
- Decree No. 41/1997. (V. 28.) of the Ministry of Agriculture on issuing the Animal Health Code.
- Decree No 35/2002 of MÁRKD laying down the protective measures against Bluetongue, issued on 27th April, 2002.

4.4.4. Measures and terms of legislation as regards the measures in case of a positive result⁸:

⁸ A short description is provided of the measures as regards positive animals (slaughter, destination of carcasses, use or treatment of animal products, the destruction of all products which could transmit the disease or the treatment of such products to avoid any possible contamination, a procedure for the disinfection of infected holdings, the therapeutic or preventive treatment chosen, a procedure for the restocking with healthy animals of holdings which have been depopulated by slaughter and the creation of a surveillance zone around the infected holding...).

In case of bluetongue positive result measures must comply with the Commission Regulation No 1266/2007 of 26 October 2007 on implementing rules for Council Directive 2000/75/EC as regards the control, monitoring, surveillance and restrictions on movements of certain animals of susceptible species in relation to bluetongue.

4.4.5. Measures and terms of legislation as regards the different qualifications of animals and herds:

NOT RELEVANT

4.4.6. Control procedures and in particular rules on the movement⁹ of animals liable to be affected or contaminated by a given disease and the regular inspection of the holdings or areas concerned⁹:

Decree No 35/2002 of MARD laying down the protective measures against Bluetongue, issued on 27th April, 2002.

4.4.7. Measures and terms of legislation as regards the control (testing, vaccination, ...) of the disease:

Commission Regulation No 1266/2007 of 26 October 2007 on implementing rules for Council Directive 2000/75/EC as regards the control, monitoring, surveillance and restrictions on movements of certain animals of susceptible species in relation to bluetongue.

4.4.8. Measures and terms of legislation as regards the compensation for owners of slaughtered and killed animals:

Domestic animals:

- 55. § of the Hungarian Act N° Act No XL.VI. 2008 on Food Chain and its official control.
- 22. § of Decree No 35/2002 of MARD laying down the protective measures against Bluetongue, issued on 27th April, 2002.

5. General description of the costs and benefits¹⁰ ; (see also point 8.)

⁹ A short description of the control procedures and in particular rules on the movement of animals liable to be affected or contaminated by a given disease and the regular inspection of the holdings or areas is provided.

Benefits: Control and eradicate the disease and advance to gain free status back from a disease which cause huge economical losses.

Costs:

- costs of the control tests for monitoring and surveillance (serological, virological, and entomological)
- costs of the delivery of samples
- costs of the state compensation
- costs of vaccines and vaccination
- costs of the tests for imported animals
- cost of human resources and cooperating firms
- cost of protective equipments and disinfection
- cost of desinsetation

¹⁰ A description is provided of all costs for the authorities and society and the benefits for farmers and society in general.

6. Data on the epidemiological evolution during the last five years¹¹ NOT RELEVANT

6.1. Evolution of the disease:

6.I.I. Data on evolution of the disease¹²

6.I.I.I. Data on herds^(a) (one table per year and per disease/species)

Year: 2008

Situation on date: 24-09-2008

Disease^(b): Bluetongue

Region ^(c)	Total number of herds ^(d)	Animal species: cattle			Surveillance programme in the restricted zone			Indicators			
		Total number of herds under the programme	Number of herds checked ^(e)	Number of positive herds ^(f)	Number of new positive herds ^(g)	Number of herds depopulated	% positive herds depopulated	Period herd prevalence	% positive herds	Period herd prevalence	% new positive herds
Borsod-Abaúj-Zemplén	2	3	4	5	6	7	R = (7.5)x100	9 ~ (11.3)x100	10 ~ (15.4)x100	11 ~ (61.4)x100	
Békés											
Csongrád											
Hajdú-Bihar											
Heves											
Jász-Nagykun-Szolnok											
Nógrád											

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The data on the evolution of the disease are provided according the tables below where appropriate.

12 Data to provide for Bovine tuberculosis, Bovine brucellosis, IBR/IPV (AI + embryo units), Ovine and caprine brucellosis (B. melitensis), Enzootic bovine leukaemia (EBL), Ajleszky's disease, Anthrax, Mæci/Visna and CAEV, IBR/IPV (other types of enterprise), Johne's disease (paratuberculosis), CBPP, African Swine fever, swine vesicular disease, endemic classical swine fever, heartwater transmitted by vector insects in the French overseas departments, babesiosis transmitted by vector insects in the French overseas departments, anaplasmosis transmitted by vector insects in the French overseas departments, Bluetongue in endemic or high risk areas.



- (a) Herds equal flocks, or holdings as appropriate.
Disease and animal species if necessary.

(b) Region as defined in the eradication programme of the Member State.

(c) Total number of herds existing in the region including eligible herds and non-eligible herds for the programme.

(d) Check means to perform a herd level test under the programme for the respective disease with the purpose of maintaining, upgrading, etc., the health status of the herd. In this column a herd should not be counted twice even if it has been checked more than once.

(e) Herds with at least one positive animal during the period independent of the number of times the herd has been checked.

(f) Herds which status in the previous period was Unknown, Not free-negative, Free, Officially Free or suspended and have at least one positive animal in this period.

6.1.1.2. Data on animals (one table per year and per disease/species)

- (a) Disease and animal species if necessary.

(b) Region as defined in the approved eradication programme of the Member State.

(c) Total number of animals existing in the region including eligible herds and non-eligible herds for the programme.

(d) Includes animals tested individually or under bulk level scheme.

(e) Include only animals tested individually, do not include animals tested by bulk level samples (e.g.: milk bulk tank tests).

(f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

6.1.2. Data on evolution of the disease¹³ NOT RELEVANT

Situation on date: _____

Region		Type of flock ^(b)	Total number of flocks ^(c)	Total number of animals	Total number of flocks under the programme	Disease/infection ^(d)		Number of positive flocks ^(e)		Number of flocks depopulated ^(f)		Total number of animals slaughtered or destroyed ^(g)		Quantity of eggs destroyed (number or kg) ^(h)		Quantity of carcass products (number or kg) ⁽ⁱ⁾	
Total	[Total]					(a1)	(a2)	(a3)	(a4)	(a5)	(a6)	(a7)	(a8)	(a9)	(a10)	(a11)	
(a)	For zoonotic <i>Salmonella</i> indicate the serotypes covered by the control programmes: (a1) for <i>Salmonella Enteritidis</i> , (a2) for <i>Salmonella Typhimurium</i> , (a3) for other serotypes/species as appropriate. (a4) for <i>Salmonella Enteritidis</i> or <i>Salmonella Typhimurium</i> .																
(b)	For example, breeding flocks (rearing, adult flocks), production flocks, laying hen flocks, etc. Flocks equals herds or as appropriate																
(c)	Total number of flocks existing in the region including eligible flocks and non-eligible flocks for the programme																
(d)	Check means to perform a flock level test under the programme for the presence of salmonella. In this column a flock should not be counted twice even if it has been checked more than once.																
(e)	If a flock has been checked, in accordance with footnote (d), more than once, a positive sample should be taken into account only once.																

For zoonotic *Salmonella* indicate the serotypes covered by the control programmes: (a1) for *Salmonella* Enteritidis, (a2) for *Salmonella* Typhimurium, (a3) for other serotypes/species as appropriate, (a4) for *Salmonella* Enteritidis or *Salmonella* Typhimurium.

- (b) For example, breeding flocks (tearing, adult flocks), production flocks, laying hen flocks, etc. Flocks equals herds or as appropriate

(c) Total number of flocks existing in the region including eligible flocks and non-eligible flocks for the programme

(d) Check means to perform a flock level test under the programme for the presence of salmonella. In this column a flock should not be counted twice even if it has been checked more than once.

(e) If a flock has been checked, in accordance with footnote (d), more than once, a positive sample should be taken into account only once.

Data to practice (sur estimations) (comme dans le cas précédent). Si l'ensemble des points de la figure sont alignés sur une droite, alors l'estimation sera exacte.

6.2. Stratified data on surveillance and laboratory tests:

6.2.1. Stratified data on surveillance and laboratory tests (one table per year and per disease/species)

Year: 2009 Disease^(a): Bluetongue Animal species/category^(b): cattle

Description of the used serological tests: antibody-ELISA (blood samples from imported animals and sentinels)

Description of the used microbiological or virological tests: PCR (in case of seropositivity or vaccinated animals and also for the detection of the virus in midges)

Description of the other used tests: entomological test (identifying and counting the suspected vector species)

Remarks:

- Due to our monitoring and surveillance programmes number of laboratory tests are planned as below:

Serology test in cattle in the restricted zone: 3436 per month

Entomology test in the whole country: 2600 per year

Serology test in cattle outside of the restricted zone: 14000 per year

Region ^(c)	Serological tests		Microbiological or virological tests		Other tests (entomology)	
	Number of samples tested ^(c)	Number of positive samples ^(c)	Number of positive samples ^(c)	Number of samples tested ^(c)	Number of samples tested ^(c)	Number of positive samples ^(c)
Total						
(a) Disease and animal species if necessary						
(b) Breeders, laying hens, etc, when appropriate						
(c) Region as defined in the approved eradication programme of the Member State.						

- (a) Disease and animal species if necessary
- (b) Breeders, laying hens, etc, when appropriate
- (c) Region as defined in the approved eradication programme of the Member State.

(d) Number of samples tested, all confounded.
(e) Number of positive samples, all confounded

6.3. Data on infection (one table per year and per disease/species)

<u>Year:</u> 2008	<u>Disease^(a):</u> Bluetongue	Animal species: cattle		
		Region ^(b)	Number of herds infected ^(c)	Number of animals infected
	HUNGARY			
	Borsod-Abaúj-Zemplén county		1	4
	Total		1	4

- (a) Disease and animal species if necessary.
- (b) Region as defined in the eradication programme of the Member State.
- (c) Herds equal flocks, or holdings as appropriate.

Note: There were no bluetongue cases before September 2008.

6.4. Data on the status of herds at the end of each year¹⁴: NOT RELEVANT

Year:

Disease^(a):

Animal species:

Region ^(b)	Status of herds and animals under the programme ^(c)											
	Total number of herds and animals under the programme		Not free or not officially free		Free or officially free suspended ^(d)		Free ^(e)		Officially free ^(f)			
	Herds	Animals ^(g)	Herds	Animals ^(h)	Herds	Animals ⁽ⁱ⁾	Herds	Animals ^(j)	Herds	Animals ^(k)		
Total												
(a) Disease and species, if necessary												
(b) Region as defined in the approved eradication programme of the Member State												
(c) At the end of the year												
(d) Unknown: No previous checking results available												
(e) Not free and last check positive: Herd checked with at least one positive result in the latest check												
(f) Not free and last check negative: Herd checked with negative results in the latest check but not being "free" or "officially free"												
(g) Suspended as defined in Community or national legislation for the respective disease at the end of the reporting period.												
(h) Free herd as defined in Community or national legislation for the respective disease.												
(i) Officially free herd as defined in Community or National legislation for the respective disease.												
(j) Include animals under the programme in the herds with the referred status (left column).												

¹⁴ Data to provide for Bovine tuberculosis, Bovine brucellosis, IBR/IPV (AI + embryo units), Ovine and caprine brucellosis (B. melitensis), Enzootic bovine leukaosis (EBL), Ajeszky's disease, Maedi/Visna and CAEV, IBR/IPV (other types of enterprise), Johnes disease (paratuberculosis).

6.5. Data on vaccination or treatment programmes¹⁵; NOT RELEVANT

Year	Disease (n)	Animal species
1990	1	Goat
1991	1	Goat
1992	1	Goat
1993	1	Goat
1994	1	Goat
1995	1	Goat
1996	1	Goat
1997	1	Goat
1998	1	Goat
1999	1	Goat
2000	1	Goat
2001	1	Goat
2002	1	Goat
2003	1	Goat
2004	1	Goat
2005	1	Goat
2006	1	Goat
2007	1	Goat
2008	1	Goat
2009	1	Goat
2010	1	Goat
2011	1	Goat
2012	1	Goat
2013	1	Goat
2014	1	Goat
2015	1	Goat
2016	1	Goat
2017	1	Goat
2018	1	Goat
2019	1	Goat
2020	1	Goat
2021	1	Goat
2022	1	Goat
2023	1	Goat
2024	1	Goat
2025	1	Goat
2026	1	Goat
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2084	1	Goat
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2087	1	Goat
2088	1	Goat
2089	1	Goat
2090	1	Goat
2091	1	Goat
2092	1	Goat
2093	1	Goat
2094	1	Goat
2095	1	Goat
2096	1	Goat
2097	1	Goat
2098	1	Goat
2099	1	Goat
20000	1	Goat

Description of the used vaccination, therapeutic or other scheme:

There were no vaccinations against Bluetongue in Hungary.

the approved eradication programme of the Member State

- (c) Herds equal flocks, or holdings as appropriate
(d) Only for Bovine brucellosis, Ovine and caprine brucellosis (*B. melitensis*) and zoonotic salmonella, and as defined in the programme
and approved eradication programme of the relevant State

Data to provide, where appropriate for Bovine brucellosis, IBR/PPV (AI + embryo units), Ovine and caprine brucellosis (B. melilotensis), Ajyessky's disease, *Salmonella pullorum*, *Salmonella gallinarum*, Anthrax, IBR/PPV (other types of enterprise). Feline disease (paratuberculosis), *Mycoplasma gallisepticum*, heartwater transmitted by vector insects in the French overseas departments, babesiosis transmitted by vector insects in the French overseas departments, anaplasmosis transmitted by vector insects in the French overseas departments, Bluetongue in endemic or high risk areas, Rabies, Echinococcosis and salmonellosis (zoomatic salmonella) and agents thereof.

6.6. Data on wildlife ^b NOT RELEVANT

6.6.1. Estimation of wildlife population

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Given the above, it is remarkable that neither the World Health Organization nor the World Organization for Animal Health has recommended any specific measures in this regard but the size of these regulations is far smaller compared to the size of the population of wild ruminants (*Wolffsohn et al.* 2005).

Regions^(b) List of the population of the concerned wild species

Institution of the population of the concerned wild species

Species:-

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other method is used, explain

Slave

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smellicensis), Aujeszky's disease, African Swine fever, swine vesicular disease,

Data to provide for Bovine brucellosis, Ovine and caprine brucellosis (*B. melitensis*), Aujeszky's disease, African Swine fever, swine vesicular disease, endemic classical swine fever, Rabies, Echinococcosis and trichinellosis and agents thereof.

6.6.2. Monitoring of wildlife (one table per year and per disease/species)

Disease^(*)

Animal species:

Description of the used serological tests:

Description of the used microbiological or virological tests:

Description of the other used tests:

- (a) Disease and species if necessary
 (b) Region as defined in the approved eradication programme of the Member State

6.6.3. Data on vaccination or treatment of wildlife

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Disease (Ab)

Animal species:

Description of the used vaccination, therapeutic or other scheme: see 3.2 and 3.3.

		Vaccination or treatment programme		
Region ^(a)	Square km	Number of doses of vaccine or treatment to be administered	Number of campaigns	Total number of doses of vaccine or treatment administered
Total				
(a) Disease and species if necessary				
(b) Region as defined in the approved eradication programme of the Member State				

- (a) Disease and species, if necessary
 (b) Region as defined in the approved eradication programme of the Member State

7. Targets

7.1. Targets related to testing

7.1.1. Targets on diagnostic tests

7.1.1.1. Number and specification of tests

Disease ^(a) : bluetongue		Animal species: ruminants		Target population ^(b)	Type of sample ^(c)	Objective ^(d)	Number of planned tests
Region ^(e)	Type of test ^(f)						
HUNGARY	Serological examination - ELISA	Cattle	Blood	Monitoring and surveillance			42000 + X
	Entomological examination	Midge - Culicoides	insects	Monitoring			2600
	Virological examination	Midge - Culicoides	insects	Monitoring			2600
	Virological examination - PCR	Cattle	Blood	Confirming of seropositive animals			100
	Virological examination - PCR	Small ruminants	Blood	Control of clinically suspicious animals			100
			Total				

(a) Disease and species if necessary

(b) Region as defined in the approved eradication programme of the Member State

(c) Description of the test (e.g. S/N-test, AB-ELisa, RTI, ...)

(d) Specification of the targeted species and the categories of targeted animals (e.g. sex, age, breeding animal, slaughter animal, ...).

(e) Description of the sample (e.g. blood, serum, milk, ...)

(f) Description of the objective (e.g. qualification, surveillance, confirmation of suspected cases, monitoring of campaigns, seroconversion, control on deleted vaccines, testing of vaccine, control of vaccination, ...)

7.1.1.2 Testing scheme(s)¹⁷:

According to Annex I of Commission Regulation No 1266/2007/EC.

For surveillance in the restricted zone: The minimum number of sentinel animals per geographical unit must be representative and sufficient in order to detect a monthly incidence of seroconversion of 2 % with a 95 % confidence in each geographical unit. These tests have to be performed every month. Entomological testing shall be carried out as described in point 3. C)

For monitoring outside the restricted zone: the sample size has been calculated such a way to be able to detect a prevalence of 0,5 % with 95 % confidence in the bovine population. Once a year, practically in October-November.

In Hungary all animals originating from an infected country must be isolated and tested for Bluetongue disease serologically. In case of seropositivity or vaccinated animals, virological testing shall be carried out.

¹⁷ Describe the testing scheme according the different categories if appropriate (which herds and animals, the number of animals per herd, the frequency and the interval of sampling) with reference to the national and Community legislation where appropriate.

7.1.2 Targets on testing herds and animals¹⁸

7.1.2.1 Targets on the testing of herds^(a)

Disease ^(b)	Region ^(c)	Total number of herds ^(d)	Total number of herds under the programme	Animal species:			TARGET INDICATORS		
				Number of herds expected to be checked ^(e)	Number of expected positive herds ^(f)	Number of expected new positive herds ^(g)	% positive herds expected to be depopulated	Expected % herd coverage	% positive herds Expected period head prevalence
	1	2	3	4	5	6	7	8 = (7,5)×100	9 = (5,4)×100
Total									

(a) Herds equal blocks, or holdings as appropriate.

(b) Disease and animal species if necessary.

(c) Region as defined in the approved eradication programme of the Member State.

(d) Total number of herds existing in the region including eligible herds and non-eligible herds for the programme.

(e) Check means to perform a herd level test under the programme for the respective disease with the purpose of maintaining, upgrading, etc., the health status of the herd. In this column a herd should not be counted twice even if it has been checked more than once.

(f) Herds with at least one positive animal during the period independent of the number of times the herd has been checked.

(g) Herds which status in the previous period was Unknown, Not free-negative, Free, Officially Free or suspended and have at least one positive animal in this period.

¹⁸ Data to provide for Bovine tuberculosis, Bovine brucellosis, IBR/TPV (A1 + embryo units), Ovine and caprine brucellosis (B. melitensis), Epizootic bovine leukosis (EBL), Ajleszky's disease, Anthrax, Maedi/Visna and CAEV, IBR/TPV (other types of enterprise), Johnes disease (paratuberculosis), CBPP, African Swine fever, swine vesicular disease, endemic classical swine fever, heartwater transmitted by vector insects in the French overseas departments, babsiosis transmitted by vector insects in the French overseas departments, anaplasmosis transmitted by vector insects in the French overseas departments, Bluetongue in endemic or high risk areas.

¹⁸

7.1.2.

Targets on the testing of animals : In the restricted zone sentinel animals will be tested monthly according to Annex I of Commission Regulation 1266/2007/EC. (This means approximately 150 animals/2000 km²)

Disease^(a): Bluetongue**Animal species: cattle**

Region ^(b)	Total number of animals ^(c)	Slaughtering						TARGET INDICATORS	
		Number of animals ^(d) under the programme	Number of animals ^(e) expected to be tested individually ^(f)	Number of expected positive animals	Number of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered ^(g)	Expected % coverage at animal level	% positive animals (Expected animal prevalence)	
Borsod-Abaúj-Zemplén county	1	2	3	4	5	6	7	8	9-(6/3)x100
Békés county	300	300	150	150	150	300	300	300	10-(6/4)x100
Borsod-Abaúj-Zemplén county	543	543	543	543	543	543	543	543	10-(6/3)x100
Csongrád county	150	150	150	150	150	150	150	150	10-(6/4)x100
Budapest and Pest county	450	450	450	450	450	450	450	450	10-(6/3)x100
Bükk-Bihar county	467	467	467	467	467	467	467	467	10-(6/4)x100
Heves county	273	273	273	273	273	273	273	273	10-(6/3)x100
Jász-Nagykun-Szolnok county	420	420	420	420	420	420	420	420	10-(6/4)x100
Komárom-Esztergom county	45	45	45	45	45	45	45	45	10-(6/3)x100
Nograd county	188	188	188	188	188	188	188	188	10-(6/4)x100
Szabolcs-Szatmár-Bereg county	450	450	450	450	450	450	450	450	10-(6/3)x100
Total	3436	3436	3436	3436	3436	3436	3436	3436	10-(6/4)x100

(a) Disease and animal species if necessary.

(b) Region as defined in the approved eradication programme of the Member State.

(c) Total number of animals existing in the region including eligible herds and non-eligible herds for the programme.

(d) Includes animals tested individually or under bulk level scheme.

(e) Include only animals tested individually, do not include animals tested by bulk level samples (e.g.: milk bulk tank tests).

(f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

7.1.3. Targets on testing of stocks¹⁹: NOT RELEVANT

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Situation on date:

(a) For zoonotic *salmonella* indicate the serotypes covered by the control programmes: (a1) for *Salmonella* Enteritidis, (a2) for *Salmonella* Typhimurium, (a3) for other serotypes-specific as appropriate. (a4) for *Salmonella* Enteritidis or *Salmonella* Typhimurium

(b) For example, breeding flocks (rearing, adult flocks), production flocks, laying hen flocks, etc. Flocks equals herds or as appropriate according to species, (47) for summer flocks or flocks reared by permanent flocks.

(c) Total number of flocks existing in the region including eligible flocks and non-eligible flocks for the programme

(d) Check means to perform a flock level test under the programme for the presence of salmonella. In this column a flock should not be counted twice even if it has been checked more than once.

(e) If a flock has been checked in accordance with footnote (d), more than once, a negative result should be taken into account.

(e) If a block has been checked, in accordance with footnote (d), more than once, a positive sample should be taken into account only once.

19 Data to provide for salmonellosis (zoontic salmonella), *Salmonella pullorum*, *Salmonella gallinarum*, *Mycoplasma galisepticum*, *Campylobacteriosis* and agents thereof.

7.2. Targets on qualification of herds and animals^{a)}: NOT RELEVANT

Disease ^{b)}	Animal species:		Targets on the status of herds and animals under the programme ^{c)}													
			Total number of herds and animals under the programme		Expected unknown ^{d)}		Expected not free or not officially free		Last check positive ^{e)}		Last check negative ^{f)}		Expected free or officially free suspended ^{g)}		Expected officially free ^{h)}	
Region ⁱ⁾	Herds	Animals ^{j)}	Herds	Animals ^{j)}	Herds	Animals ^{j)}	Herds	Animals ^{j)}	Herds	Animals ^{j)}	Herds	Animals ^{j)}	Herds	Animals ^{j)}	Herds	Animals ^{j)}
Total																
(a) Disease and species if necessary																
(b) Region as defined in the approved eradication programme of the Member State																
(c) At the end of the year																
Unknown: No previous checking results available																
Not free and last check positive: Herd checked with at least one positive result in the latest check																
(d) Not free and last check negative: Herd checked with negative results in the latest check but not being "free" or "officially free"																
(e) Suspected as defined for the respective disease in Community or national legislation where appropriate or according national legislation.																
(f) Free herd as defined for the respective disease where appropriate in Community or national legislation where appropriate or according national legislation																
(g) Officially free herd as defined for the respective disease where appropriate in Community or national legislation where appropriate or according national legislation																
(h) Include animals under the programme in the herds with the referred status (left column)																

^{a)} Data to provide for Bovine tuberculosis, Bovine brucellosis, IBR/MPV (AI + embryo units), Ovine and caprine brucellosis (B. melitensis), Enzootic bovine leukosis (EBL), Aujeszky's disease, Maedi-Visna and CAEV, IBR/MPV (other types of enterprise), Johne's disease (paratuberculosis).

7.3. Targets on vaccination or treatment

7.3.1. Targets on vaccination or treatment²¹: ruminants

Vaccine(s) and vaccination scheme or treatment scheme²²: If the epidemiological situation requires, Hungary is planning to implement vaccination in the protection zone with 100 km radius around the outbreak.

Cattle: vaccination: 311002 animals to be vaccinated 2 times - 626004 doses

Small ruminants (sheep, goat): 707783 animals to be vaccinated once ... 707783

Total - 1333787 doses --> rounded to 1334000 doses

Disease^(*): Bluetongue

Region ^(*)	Animal species: cattle				Targets on vaccination or treatment programme			
	Total number of herds ^(*) in vaccination or treatment programme	Number of herds ^(*) in vaccination or treatment programme	Number of herds ^(*) expected to be vaccinated or treated	Number of animals expected to be vaccinated or treated	Number of doses or vaccine or treatment expected to be administered	Number of adults ^(*) expected to be vaccinated	Number of young ^(*) animals expected to be vaccinated	
Békés county	718	10304	338	10304	338	10304	10304	
Borsod-Abaúj-Zemplén county	413	56066	413	56066	413	56066	56066	
Budapest and Pest county	489	206948	489	206948	489	206948	206948	
Hajdú-Bihar county	2389	103075	2189	103075	2389	103075	103075	
Heves county	126	19911	126	19911	126	19911	19911	
Jász-Nagykun-Szolnok county	1473	62175	1473	62175	1473	62175	62175	
Nograd county	250	11555	250	11555	250	11555	11555	
Szabolcs-Szatmár-Bereg county	740	28068	760	28968	760	28968	28968	
Total	6238	313002	6238	313002	6238	313002	313002	

- ²¹ Data to provide for Bovine brucellosis, IBR/IPV (AI – embryo units), Ovine and caprine brucellosis (B. melitensis), Ajyeshky's disease, Salmonella pullorum, Salmonella gallinarum, Anthrax, Mycoplasma gallisepticum, heartwater transmitted by vector insects in the French overseas departments, babesiosis transmitted by vector insects in the French overseas departments, Bluetongue in endemic or high risk areas, Rabies, Echinococcosis, salmonellosis (zoootic salmonella) and agents thereof.
- ²² Specify the vaccine and the vaccination scheme (which herds and animals, the frequency and the interval of vaccination) with reference to the national legislation.

- (a) Disease and species if necessary
 Region as defined in the approved eradication programme of the Member State
 (b) Herds equal flocks, or holdings as appropriate
 (c) Only for Bovine brucellosis and Ovine, caprine brucellosis (*B. melitensis*) and zoonotic salmonella and as defined in the programme

Disease^(a): Bluetongue

Animal species: small ruminants

Region ^(b)	Targets on vaccination or treatment programme					
	Total number of herds in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Number of herds ^(c) expected to be vaccinated or treated	Number of animals expected to be vaccinated or treated	Number of doses of vaccine or treatment expected to be administered	Number of adult animals expected to be vaccinated
Békés county	189	24317	189	24317	189	24317
Borsod-Abaúj-Zemplén county	389	87388	389	87388	389	87388
Budapest and Pest county	62	1749	62	1749	62	1749
Hejő-Bihar county	146	319279	146	319279	146	319279
Hegyeshalom county	162	30698	162	30698	162	30698
Jász-Nagykun-Szolnok county	507	66522	507	66522	507	66522
Nyíregyháza county	95	17798	95	17798	95	17798
Szabolcs-Szatmár-Bereg county	491	143790	491	143790	491	143790
Total	3341	707783	3341	707783	3341	707783

Region ^(b)	Targets on the vaccination or treatment programme		
	Square km	Number of doses of vaccine or treatments expected to be administered in the campaign	Expected number of campaigns
Total			Totals number of doses of vaccine or treatment expected to be administered

²³ Data to provide for Bovine brucellosis, Ovine and caprine brucellosis (*B. melitensis*), Aujeszky's disease, African Swine fever, swine vesicular disease, endemic classical swine fever, Rabies, Echinococcosis and trichinellosis and agents thereof.

- (a) Disease and species if necessary
- (b) Region as defined in the approved eradication programme of the Member State

8. Detailed analysis of the cost of the programme²⁴ Estimated costs for the year 2009 (VAT is 15 %, 1 € = 240 HUF)

Costs related to	Specification	Number of units	Unitary cost in €	Total amount in €	Community funding requested (pestnoj)
1. Testing					
1.1. Cost of the analysis	Test: midge specification	2600 [piece]	83,34	215684	yes
	Test: ELISA	55220 [piece]	3,75	207075	yes
	Test: midge virology	2600 [piece]	37,5	97500	yes
	Test: PCR	~200 [piece]	37,5	7500	yes
1.2. Cost of sampling	Sampling	55220 [piece]	2,92	161242,4	yes
1.3. Other costs	Delivery of samples	1976 [delivery]	20,84	41179,84	yes
2. Vaccination or treatment					
<i>(in case of unfavourable epidemiological situation)</i>					
2.1. Purchase of vaccine/treatment	Cost of the vaccine	13334000	0,6	800400	yes
	Application of the vaccine	1334000	4,16/vaccine	5549440	yes
2.2. Distribution costs					

²⁴ Fixed costs should not be included. All amounts are VAT excluded.

2.3. Administering costs		0.03 €/abattoiry test or vaccination	41038.6	yes
2.4. Control costs		1394620		
3. Slaughter and destruction		375000		
3.1. Compensation of animals				
3.2. Transport costs				
3.3. Destruction costs				
3.4. Loss in case of slaughtering				
3.5. Costs from treatment of products (milk, eggs, hatching eggs, etc)				
4. Cleaning and disinfection	Cleaning, disinfection, protective clothes disinsectisation			
5. Salaries (staff contracted for the				

programme only

6. Consumables and specific equipment

7. Other costs

TOTAL

1497059.84

yes

Abbreviations:

- MA = Ministry of Agriculture (until 1997)
MARD = Ministry of Agriculture and Rural Development (since 1998)
AJC = Animal Health Code
Bp. = Budapest, capital of Hungary

