



Ministero della Sanità

DIPARTIMENTO DEGLI ALIMENTI E NUTRIZIONE E DELLA SANITA' PUBBLICA
VETERINARIA-UFFICIO III

ITALY

LOMBARDIA REGION
CSF- VARESE PROVINCE WILDBOAR ERADICATION PLAN
(SUMMARY)

INTRODUCTION

An outbreak of CSF in domestic pigs occurred in the province of Varese in date 14.05.97 (97/17). After this date there have been 2 outbreaks in domestic pigs and 9 outbreaks in wild boar. In the protection zone of outbreak 97/17, 40 wild boar were found dead, 12 of them were positive for CSF. Due of this situation and under the provision of the Directive 80/217/CEE, an infected zone for wild boar was established.

This infected area is delimited by natural barriers and it is covered mainly by forest. (See map 1).

CHAPITRE 1 : INFECTED AREA

1.1. Delimitation of the infected area

The infected area is 10824 hectares and included all the municipality where the wild boar were found positive for CSF.

Wildboar find positive for CSF: Municipality of Casalzuigno (10), Brenta (1) and Laveno Mombello (1). This municipality are into the PZ for CSF in domestic pigs.

The infected area is delimited of natural barriers (see point 1.4).

1.2. Wildboars population in the infected area.

Due of the territory conformation (woodland) is not possible to take a normal census of the wild boar population. Therefore, (1994) a statistical calculation was carried out using the animals shoot killed.

The actual valutation is about 450 heads.

1.3. Distribution of the disease in the infected area.

Municipality of Casalzuigno, Brenta and Laveno Mombello.

1.4. Barriers around the infected area.

West: Lago Maggiore

East: Margorabbia river

Others barriers are represent by the roads around the infected area were there is an intensive traffic.

1.5. Number of domestic swine holdings in the infected area.

56 familiarly holdings with 300 pigs.

CHAPITRE 2 : MEASURE CARRIED OUT TO DETECT THE INFECTION IN WILD BOARS.

2.1. Surveillance programme

Since 4 years there is an informative sistem to notifie when a wildboar is shooted or found dead in the year.
The wildboar are bring to the Luino slaughterhouse with the specific card and with the special registration.
In the slaughterhouse samples are collected (organs and other material) and they are sendes to the Varese IZS for the laboratory control.

2.2. Laboratory test

- screening in Elisa/AG on the homogenized organs (IZS Varese)
- screening on blood samples (IZS Varese)
- immunofluorescence on organ cryostatic sezions (IZS Brescia)
- specific serological confirmation for Ab PSC after the first positivity (IZS Brescia).
- sowing of the homogenized in cellular culture (PK 15) (IZS Brescia and Perugia))
- PCR (CRPS Perugia)

CHAPITRE 3:

See the original plan.

CHAPITRE 4 : CONTROL OF THE WILD POPOLATION

4.1

4.2. First measure in the infected zone

Objective: to avoid the diffusion of the disease out the infected zone

- ban to train the hunting dogs (also in authorized dog-loving zone);
- proibition of using wildboar pastura point that are not natural;

- ban of wildboar breeding;
- ban to utilize, for food and feed, the wildboar killed or found dead;
- obligation to signal all the wildboar found dead and to send the organs for the control at IZS.

4.3. Measure carried out during the hunting season.

The surveillance system and shoot regulation meet the following requirement:

Measure in the infected zone;

- recognition of appropriate shooting period and permanent information and education for the hunters;
- recognition of appropriate of shoot extra period or killed plan under the following principles:

- a) killed plan without to consider the wildboar features (age, sex, etc) or zone under specific respect;
- b) centripetal direction of shoot;
- c) ban to slaughter the wildboar in sited;
- d) obligation to send the wildboars to the Luino slaughterhouse and meat-stopped until the results of the test;
- e) destruction of the internal organs

4.4 Huntings information and education

CHAPITRE 5 : EPIDEMIOLOGIA

Last outbreak on October 1997.

Origin of disease: hypothesis:

- a) illegal introduction of wild boars in the first period of the years;
- b) animals waste.

CHAPITRE 6 : MEASURE TAKE OUT IN THE DOMESTIC SWINE HOLDINGS IN THE INFECTED ZONE

1.1. DISEASE PREVENTION

- 1.1.1 stamping out in the outbreaks and disinfections;
- 1.1.2. killed and destruction of the pigs seropositive and the other pigs in the holding;
- 1.1.3. complete stand still;
- 1.1.4. ban of introduction in the holding of meat wildboar or other part (bone, etc);
- 1.1.5. ban of administration of animals waste;
- 1.1.6. veterinarians control in the infected holding zone;
 - 1.1.6.1. clinical control
 - 1.1.6.2. serological control;
 - 1.1.6.3. identification of risk points;
 - 1.1.6.3.1. enclosure
 - 1.1.6.3.2. huntings present

- 1.1.6.3.3. movementation
- 1.1.6.3.4. disintection sistem
- 1.1.6.4 epidemiological tracing back

1.2. MOVIMENTATION OF THE DOMESTIC PIGS IN THE INFECTED ZONE

1.2.1 Into

- Stand still
- Specific authorization to send animals to slaughterhouse
- Virological test after the slaughter

1.2.2. Out

- 1.2.2.21. no possible to send pigs to other Member State
- 1.2.2.2.- possible to move the breeding pigs after the serological test on at least 2 pigs for group within 10 days before the movementation.
- 1.2.2.3. clinical control for to move the slaughter pigs.

1.3. OTHER MEASURE

Control and regolamentation of the familiary slaughtered with ante and post mortem inspection and serological control.

CHAPITRE 7: REVOCATION OF THE RESTRICTION IN THE INFECTED ZONE

7.1. Domestic swine holdings

- 6 mounths after the last outbreak in the wildboar

7.2. Wildboars

Serological monitoring for 3 years after the last outbreak.

DIPARTIMENTO ALIMENTI NUTRIZIONE E SANITA' PUBBLICA VETERINARIA - DIVISIONE V^a VET -
 FOCOLAI DI PESTE SUINA CLASSICA IN ITALIA ANNO 1997

FOC. NR.	SOSPETTO	CONFERMA	REGIONE	PROV.	ASL	COMUNE	CAPIM	MALATI	MORTI	ABBATTUTI	DISTRUTTI	NOTE
11997	291211996	021011997	SARDEGNA	NU	NU4	URZULEI	63	4	5	58	63	
21997	241211996	041011997	SARDEGNA	NU	NU3	DESULO	76	21	34	41	75	
31997	201021997	210211997	UMBRIA	PG	PG12	MAGIONE	1600	60	12	1588	1600	SUINI OLANDESI
41997	171021997	231021997	CAMPANIA	SA	SA13	TEGGIANO	600	600	300	300	600	SUINI OLANDESI
51997	101021997	261021997	SARDEGNA	NU	NU3	IRGOLI	26	2	7	19	26	
61997	021031997	041031997	SARDEGNA	NU	NU3	POSADA	18	0	2	16	18	
71997	191031997	241031997	SARDEGNA	NU	NU4	URZULEI	171	16	8	163	171	
81997	271031997	281031997	SARDEGNA	NU	NU3	IRGOLI	14	11	1	13	14	
91997	021041997	041041997	SARDEGNA	NU	NU3	DESULO	20	2	1	19	20	
101997	031041997	041041997	SARDEGNA	NU	NU3	ORGOSOLO	46	3	1	45	46	
111997	171031997	051041997	SARDEGNA	NU	NU4	GAIRO	74	0	2	72	74	
121997	161041997	261041997	SARDEGNA	NU	NU4	IRGOLI	22	8	5	17	22	
131997	261041997	021061997	SARDEGNA	NU	NU4	URZULEI	43	3	4	39	43	
141997	141061997	161061997	SARDEGNA	NU	NU3	IRGOLI	14	2	1	13	14	
151997	121061995	211061997	SARDEGNA	OR	OR15	SANTULUSS.	4	2	0	4	4	
161997	091061997	221061997	SARDEGNA	OR	OR15	SENEGHE	4	1	1	3	4	
171997	141061997	281061997	LOMBARDIA	VA	VA11	LAVENO	4	0	3	1	4	**2cing. e 2 sul
181997	141041997	281061997	LOMBARDIA	OR	OR15	SANTULUSS	3	3	0	3	3	
191997	21041997	041061997	LOMBARDIA	VA	VA11	CASAL ZUIGNO	127	1	2	125	127	1 CING.SEL.MORTO
201997	021061997	041061997	SARDEGNA	NU	NU4	URZULEI	57	2	1	56	57	
211997	261061997	061061997	SARDEGNA	OR	OR15	DESULO	30	4	4	26	30	
221997	091061997	101061997	SARDEGNA	OR	OR15	S.LUSSURGIU	2	1	1	1	2	
231997	291061997	181061997	SARDEGNA	NU	NU3	SINISCOLA	72	5	3	69	72	
241997	101061997	231061997	SARDEGNA	VA	VA11	IRGOLI	11	2	1	10	11	
251997	091061997	231061997	LOMBARDIA	VA	VA11	CUVEGLIO	3	0	1	2	3	CINGH. SELVATICO
261997	061061997	231061997	LOMBARDIA	VA	VA11	LAVENO	1	0	1	0	1	CINGH. SELVATICO
271997	111061997	211061997	SARDEGNA	NU	NU1	URZULEI	35	12	2	33	35	
281997	101061997	231061997	LOMBARDIA	VA	VA11	BRENTA	1	0	1	0	1	CINGH. SELVAT.
291997	101061997	231061997	LOMBARDIA	VA	VA11	GAIRO	29	1	3	26	29	
301997	171061997	261061997	SARDEGNA	NU	NU4	GAIRO	3	0	1	2	3	
311997	231061997	261061997	SARDEGNA	NU	NU4	GAIRO	13	1	1	13	13	
321997	151061997	241061997	LOMBARDIA	VA	VA11	CUVEGLIO	2	0	0	2	2	
331997	271061997	021071997	SARDEGNA	OR	OR15	SENEGHE	38	8	6	32	38	
341997	011071997	041071997	SARDEGNA	NU	NU3	DESULO	31	5	1	30	31	
351997	151071997	231071997	SARDEGNA	NU	NU3	GAIRO	64	2	2	62	64	
361997	181071997	251071997	SARDEGNA	NU	NU4	GAIRO	4	0	3	1	4	CINGH. SELVAT.
371997	071071997	251071997	LOMBARDIA	VA	VA11	CASALZUIGNO	12	10	2	10	12	
381997	151071997	281071997	SARDEGNA	OR	OR15	SCANOMONTIF.	70	0	3	67	70	
391997	071081997	081081997	SARDEGNA	SS	SS11	SASSARI	2	0	2	0	2	
401997		041081997	LOMBARDIA	VA	VA11	VARESE	21	0	1	0	21	CINGH. SELVAT.
411997	011081997	121081997	SARDEGNA	NU	NU4	GAIRU	21	0	1	20	21	

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42/1997	19/08/1997	19/08/1997	SARDEGNA	SS	SSI1	SILIGO	100	0	5		95	100	
43/1997	26/08/1997	08/09/1997	LOMBARDIA	VA	VAI1	PORTOVALTRA	1	1	0		1	1	CINGH. SELVAT.
44/1997	30/08/1997	08/09/1997	LOMBARDIA	VA	VAI1	CUVEGLIO	1	0	1		0	1	CINGH. SELVAT.
45/1997	01/07/1997	10/09/1997	SARDEGNA	NU	NU11	GAIRO	39	2	2		37	39	
46/1997	26/09/1997	30/09/1997	TRENTINO	BZ	STBRUNIC	TERENTO	2	2	0		2	2	
47/1997	04/10/1997	09/10/1997	LOMBARDIA	VA	VAI1	CASTELVECCANA	11	0	0		11	11	
48/1997	30/09/1997	30/09/1997	TRENTINO	BZ	CENTRO SU	VALLE AURINA	1	0	0		1	1	
49/1997	19/09/1997	16/10/1997	SARDEGNA	OR	NU5	SENEGHE	10	3	3		7	10	
							3684	800	439		3145	3684	