

REPUBLIC OF TURKEY
MINISTRY OF AGRICULTURE AND RURAL AFFAIRS
GENERAL DIRECTORATE OF PROTECTION AND CONTROL

AVIAN INFLUENZA (AI)

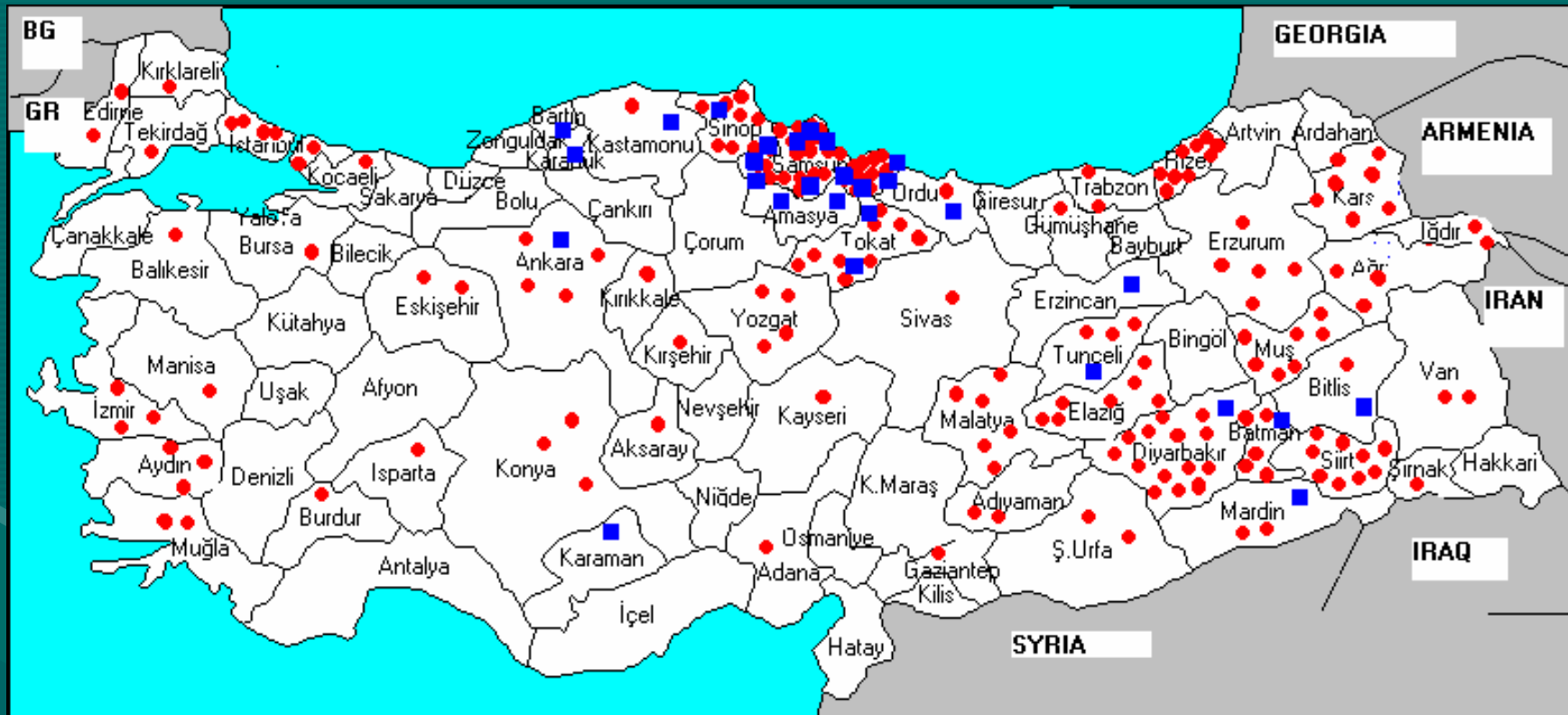
SITUATION IN TURKEY AND LESSONS LEARNED

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12 July 2006, Ankara-TURKEY

AI BACKYARDS AND WILD BIRD OUTBREAKS IN TURKEY

27.04.2006



201 Backyards outbreaks
30 Wild Birds outbreaks

OUTBREAKS

- ✿ Occurred in a privately owned free range (backyard) turkey holding in Manyas-Balıkesir.
- ✿ Notified to the OIE on October 8, 2005.
- ✿ In the second outbreak that occurred in Aralık-Iğdır in December 2005, the H5 strain was detected by the Bornova Veterinary Control and Research Institute and the agent was confirmed as HPAI H5N1 by the Weybridge Institute.
- ✿ Since December 201 outbreaks have occurred.
- ✿ Except for one case detected in a small scale commercial broiler farm, all outbreaks have occurred in backyard poultry.
- ✿ In addition to HPAI H5N1, LPAI H7N1 has also been detected.
 - At present there are no suspect cases.
 - **21** human cases have been detected (**4** deaths)

LABORATORY RESULTS

✿ **Number of tested samples: 14,934**

✿ **Positive results: 389**

✿ **Negative results: 13,039**

CULLING

✿ **Number of animals culled in quarantine areas**
906,648

✿ **Number of animals culled outside quarantine areas**
1,619,855

✿ **Total number of culled animals** **2,526,503**

✿ **Number of culled spent hens** **13,417,511**

GENERAL MEASURES IN OUTBREAKS (I)

- ✿ **Activation of the National Disease Crisis Centre and the Local Disease Crisis Centres**
- ✿ **Establishment of protection and surveillance zones**
- ✿ **Compensated culling and disposal of susceptible animals within the protection zone and suspect areas**
- ✿ **Strict control of the movements of live poultry, poultry products, and equine animals**

GENERAL MEASURES IN OUTBREAKS (II)

- ✿ Ban on the hunting of wild birds throughout the country or some part of the country,
- ✿ Increase of bio-security measures in commercial holdings,
- ✿ Prohibition of sales of live poultry in local markets,
- ✿ Establishment of check points for the control of illegal animal movements,
- ✿ Cleaning and disinfection of vehicles/in outbreak areas,
- ✿ Conduction of clinical and epidemiological surveys in surveillance zones,
- ✿ Increase of public awareness and performance of trainings.

GENERAL MEASURES IN OUTBREAKS (III)

- ✿ Provision of information to international organisations, the EU and neighbouring countries,
- ✿ Strengthening of Veterinary Research and Control Institutes with regard to equipment for rapid and efficient diagnostic services,
- ✿ Preparation of a “Government Announcement” to be broadcasted in news bulletins of Turkish radio stations,
- ✿ Dissemination of posters, leaflets and other printed material,
- ✿ Establishment of cooperation with the Ministries of Internal Affairs, Health, Environment and Forestry and other relevant units,
- ✿ Strengthening of outbreak areas through provision of protective clothing, disinfectants and application equipment, and personnel.

ECONOMIC MEASURES (I)

- ✿ Discussion of the issue in the meeting of the Evaluation Committee for Economic Problems,
- ✿ Compensated culling and disposal of spent hens,
- ✿ Slaughter and rendering of spent hens,
- ✿ Deferment of tax dues and premium of the Social Security for the sector,

ECONOMIC MEASURES (II)

- ✿ **Forward sales of raw feed materials by the Turkish Grain Board,**
- ✿ **Provision of low-interest long-term operating loans,**
- ✿ **Deferment of electricity bills,**
- ✿ **Increase of the poultry meat consumption of public organisations,**
- ✿ **Poultry meat and egg subsidies to owners whose poultry have been culled.**

MEDIUM TERM STRATEGY FOR COMBAT WITH AI (I)

Contingency Plan

- ✿ Update of the contingency plan,
- ✿ Translation of the relevant EU legislation,
- ✿ Drafting of the Implementing Regulation.

MEDIUM TERM STRATEGY FOR COMBAT WITH AI (II)

Definition of the Disease and Identification of the Pathogen

- ✿ Typification of the virus
- ✿ Determination of the pathogenicity of the virus

MEDIUM TERM STRATEGY FOR COMBAT WITH AI (III)

Commission Studies

- ✿ Scientific Committee Meeting,
- ✿ Meeting of the Advisory Committee on Animal Health.

MEDIUM TERM STRATEGY FOR COMBAT WITH AI (IV)

Laboratory Studies

- ✿ **Unity of Method Implementation,**
- ✿ **Ring Test Programme,**
- ✿ **Bio-safety.**

MEDIUM TERM STRATEGY FOR COMBAT WITH AI (V)

Field Surveys

- ✿ **Outbreak Investigation,**
- ✿ **Survey for Commercial Holdings,**
- ✿ **Survey for Free Zones,**
- ✿ **Survey for Wildlife.**

MEDIUM TERM STRATEGY FOR COMBAT WITH AI (VI)

Training and Publication

- ✿ Presentation and Epidemiology of the Disease,
- ✿ Protection and Control Plan,
- ✿ Legislation,
- ✿ Case Definitions,
- ✿ Laboratory Diagnosis,
- ✿ Public Awareness.

MEDIUM TERM STRATEGY FOR COMBAT WITH AI (VII)

Vaccination

- ✦ **Determination of alternative vaccination strategies and programmes for worst case scenarios.**

MEDIUM TERM STRATEGY FOR COMBAT WITH AI (VIII)

Holding Structure & Economic Measures

- ✿ Rehabilitation of rearing of backyard poultry in villages,
- ✿ Payment of premiums for slaughter and rendering of spent hens of and above the age of 60 weeks.

EXPERIENCES (I)

- ✿ Increase in public awareness has led to increase in disease notification,
- ✿ Decrease has occurred in the consumption of poultry meat and eggs,
- ✿ The flow of samples to laboratories has increased,
- ✿ The bio-safety of laboratories may be at risk,

EXPERIENCES (II)

- ✿ **The social status of veterinarians has evolved due to the animal welfare aspect of culling practices,**
- ✿ **Commercial establishments may take advantage of outbreaks for sales of vaccines and biological substances,**
- ✿ **Lack of personnel specialised in information and communication may cause difficulties,**
- ✿ **Emergency funds must be put in place to compensate for the economic loss of the poultry sector.**

THANK YOU FOR YOUR ATTENTION

